

6.0xx PATCH RELEASE NOTES

Trap Tester 6

SEISMIC INTERPRETATION > STRUCTURAL MODELLING > FAULT SEAL



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Release 6.000	05/2009	Full distribution of TrapTester 6.0
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PATCH INFORMATION

Patch 6.001	05/06/09	Patch release (Solaris/Linux/Interix)		
Bug Fixes/Enhancements				
ID No.	MODULE:	FILES		
<1713>	EARTHGRID:	lib*/libEarthGrid.so		
		Cell-Grid layer to horizon point-set conversion incorrectly permits creation of marker horizons.		
<1714>	TEMPLATES:	etc/fdb/rmf.mth/dsp/..		
		Project templates for TT-TransGen Fault-Zone thickness and permeability were missing from the template storage area and from the d3 demo project.		
<1719>	DEMO-PROJ:	idb/rst		
		The demo project contained an EarthGrid Scenario that would not load into the Volume Editor as it contained refs to components not yet commercially available in TT.		
<1722>	DOCS:	docs/.../Help/FauAttr		etc/cxh/...
		Missing context-sensitive help link pages for attribute export utility. Corrections to context sensitive help content.		
<1723>	SEISMIC:	lib*/libSection.so	lib*/libBGL.so	lib*/libCDA.so
		Added new 2D seismic dip filter processing option for section displays.		
<1728>	DOCS:	etc/cxh/...		
		Various fixes to context sensitive help popup text content.		
<1729>	SURFACE:	lib*/libSurface.so		
		New feature to flip the hangingwall and footwall of a polygon.		
<1730>	GEOSEVER:	lib*/libGEOS.so		
		Editing polygons could result in zero points in the polygon.		
<1731>	GEOSEVER:	lib*/libGEOS.so		
		Volume Editor unstable after intersection/attribute sync.		
<1732>	TRIANGLE:	lib*/libGEOS.so		
		A fix to an error in the generalised CSP calculation.		
<1733>	GEOSEVER:	lib*/libGEOS.so		
		Trimeshes not getting created for horizons when no faults in project.		

Patch 6.002		19/06/09	Patch release (Solaris/Linux/Interix)		
Bug Fixes/Enhancements					
ID No.	MODULE:	FILES			
<1734>	SYSTEM:	lib.Linux3/*	scripts/configfaps	scripts/editFAPS	
		scripts/editfileFAPS	scripts/lmadmin		
		scripts/openurifaps	scripts/postioconf		
		scripts/versionFAPS	scripts/starttt		
		etc/menus/ttmenu.rc	etc/iosys/systems.rc		
		user/xdef/Linux3/faps			
		user/xdef/Linux3/xphoto			
Support for Red Hat Enterprise Linux 3					
<1738>	VOLUME-EDITOR:	lib*/libGEOS.so	lib*/libGOM.so	lib*/libCDA.so	
		lib*/libTXM.so	lib*/libTTR.so		
Juxtaposition overlap area attribute was reporting texel areas. Juxtaposition overlap area and texel area are both now in the list of available fault surface attributes. The texel area attribute is used by TrapAnalyst.					
<1739>	VOLUME-EDITOR:	lib.Interix/libGEOS.so			
		<i>Interix only:</i> Computation of SGR fault surface attribute was resulting in incorrect values (compiler optimization issue)			
<1740>	EARTHGRID:	lib*/libGEOS.so	lib*/libGOM.so		
		Fixes occasional hang in the volume-editor EarthGrid minimodel display and the Eclipse data export.			

Patch 6.003		29/06/09	Patch release (Solaris/Linux/Interix)		
Bug Fixes/Enhancements					
ID No.	MODULE:	FILES			
<1419>	VOLUME-EDITOR:	bin*/vol_ed	lib*/libGEOS.so		
		Windows/Interix Only. Attribute and contouring could cause volume editor to crash when working on large faults/horizons. This is due to stack-size restrictions that have now been increased in this patch. This bug has been fixed before but the required stacksize is larger in this release.			
<1745>	FAULTED:	lib*/libGOM.so	lib*/libGEOS.so		
		Textured stress attributes are not correct.			
<1741>	PATCH:	patches/autoPATCH			
		patches/installPATCH			
	Includes an alteration to permit correct patching under Vista 64 bit. Also has better future support for patching the patch system.				
<1744>	ASCII-IO	bin*/well_ex			
		Well data ASCII export did not export marker horizon picks.			
<1742>	SYSTEM:	scripts/configfaps	scripts/starttt	scripts/w32install.cs h	
		Fixes startup problem when running TT on Windows with Active Directory. The problem was caused by the xterm utility not starting when the machine could not connect to the Active Directory server to authenticate the user.			

Patch 6.004		08/07/09		Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements					
ID No.	MODULE:	FILES			
<1748>	TXM:	lib*/libTXM.so			
Inadequate circular dependance checks for Display Method filters.					
<1749>	CUBEXPLORER:	lib*/libCubeX.so	lib*/libMU.so		
Abnormal exit in Volume Editor when creating probe in current 2d viewer.					
<1750>	CUBEXPLORER:	lib*/libCubeX.so			
Volume colour in Volume Manager probe list does not update when SIAC colour changed.					
<1757>	ATTALC:	etc/fdb/flt.mth/uda/*			
		etc/fdb/tri.mth/uda/*			
Add better notes regarding unit requirements in AttCalc macro templates for Fault and Triangle tasks.					
<1758>	TXM:	lib*/libTXM.so			
Not possible to delete TXM display filters or colour maps using the Display Method Editor.					
<1759>	TRIANGLE:	bin*/triangle			
Incorrect values returned when querying a plot with a "User" range specified.					
<1760>	DATABASE:	lib*/libDB2.so			
Add MicroDarcies to Permeability units domain.					

Patch 6.005		05/08/09		Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements					
ID No.	MODULE:	FILES			
<1759>	TRIANGLE:	bin.*/triangle			
Triangle fails to plot correctly when custom throw and depth values are used.					
<1761>	CUBEXPLORER:	lib*/libCubeX.so			
Volumes that are not of 8-bit format fail to load.					
<1762>	DB EXPLORER:	bin.*/dbtree			
Inactive surveys incorrectly appear sensitive in Database Explorer menus.					
<1766>	DB EXPLORER:	bin.*/dbtree	lib.*/libU.so		
Database Explorer fails to start if the settings file is corrupted.					
<1768>	WELL EXPORT:	bin.*/well_ex			
Well Exporter format options function incorrectly.					
<1769>	VOLUME-EDITOR:	lib.*/libBOGL.so			
Occasional Volume Editor crash whilst using multiple viewer windows.					
<1770>	SYSTEM:	scripts/unlockFAPS			
Project unlock fails to clear database lock.					

Patch 6.010	18/08/09	TrapTester Enhancement Patch Release (Solaris/Linux/Interix)
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General Information

This is an enhancement patch release. There are two PDFs included with this patch that get installed in TT_HOME/docs/6.010 - these describe the new fracture network enhancements and the changes to FASIT.

Bug Fixes/Enhancements

ID No.	MODULE:	FILES		
<1756E>	FASIT:	bin.*/fasit	etc/fasit/global/*.dat	
		docs/6.010/fasit.pdf		
Fault statistics module has been extended to permit the display of global and empirical datasets for direct comparison with project data. Refer to the PDF (TT_HOME/docs/6.010/fasit.pdf) for more details.				
<1771E>	TT:	lib*/libAPPL.so	lib*/libBOGL.so	lib*/libCDA.so
		lib*/libGEOS.so	lib*/libMU.so	lib*/libTXM.so
		lib*/libSAE.so	lib*/libU.so	lib*/libSurface.so
		lib*/libFaultED.so	lib*/libSection.so	bin*/attex
		bin*/fnwk_imp	bin*/fnwk_exp	bin*/dbtree
		bin*/sf_ed	etc/faprc/idb/ofnfmt/TT_Discrete.sae	
		etc/faprc/idb/ifnfmt/TT_Discrete		docs/6.010/frac.pdf
Extensions to TT I/O and Volume-Editor's Surface Module to permit the import, display, manipulation and export of discrete fracture data. In particular, the new import tool permits well-based fracture logs to be loaded. The Surface module provides extended fracture selection, assignment and rescaling tools. The new export tool permits the export of discrete fracture data with any selection of computed properties. Refer to the PDF (TT_HOME/docs/6.010/frac.pdf) for more details.				
<1772>	FASIT:	bin.*/fasit		
	Hot-keys for menu items override text entry for plot names. Hot-keys have now been altered to use non-typographic keys.			
<1773>	SECTION:	lib.*/libSection.so		
	Volume-Editor's Section Module Frame control slider loses increment settings between sessions and on other occasions.			
<1774>	CDA:	lib.*/libCDA.so		
	Changes to survey-based horizon bulk data do not get processed correctly by the CDA IPC handler and do not get propagated to listening applications.			
<1776>	FASIT:	bin.*/fasit		
	Fault Displacement module crashes on adding profile.			

Patch 6.011	10/09/09	Patch release (Solaris/Linux/Interix)		
Bug Fixes/Enhancements				
ID No.	MODULE:	FILES		
<1521>	TRIANGLE:	bin.*/triangle	lib.*/libGEOS.so	
	Incorrect CSP (Yielding) Triangle plot.			
<1778>	VOLUME-EDITOR:	lib.*/libTTR.so		
	TrapAnalyst has potential to report wrong hydrocarbon contact depth in TIME projects.			
<1780>	TRIANGLE:	bin.*/triangle		
	Occasional signal 11 error when editing colourbar.			
<1783>	VOLUME-EDITOR:	lib.*/CubeX.so		
	Persistent toggle in CubeXplorer Volume list operates incorrectly.			
<1784>	VOLUME-EDITOR:	lib.*/libGEOS.so		
	Mesh of splay near branchline occasionally incorrect.			

Patch 6.012	12/10/09	Patch release (Solaris/Linux/Interix)		
Bug Fixes/Enhancements				
ID No.	MODULE:	FILES		
<1791>	TRAPTESTER:	bin.*/fsit		
	FASIT: any editing after applying a fill (to curves/polygons while in strain summation) causes crash.			
<1804>	FAULTED:	lib.*/libGEOS.so		
	FaultED crash during pre-model restoration.			
<1787>	TRAPTESTER:	lib.*/libSection.so		
	Section-2dmove export produces dxf files that cannot be read by other applications (Lithotect).			
<1793>	TRAPTESTER:	etc/fasit/global/All_Flts.dat		
		etc/fasit/global/All_Flts_from_Schultz_2008.dat		
		etc/fasit/global/Normal_Flts_Basement_rocks.dat		
	FASIT: Update to three global data files.			
<1808>	FAULTED:	lib.*/libGEOS.so		
	FaultED panelling fails unless fault surface loaded via surface module.			
<1795>	TRAPTESTER:	bin.*/fasit		
	FASIT: Memory error (no crash) associated with selections of filled curves.			
<1796>	TRAPTESTER:	bin.*/fasit		
	FASIT: No Fault Length option in the Format Editor.			
<1806>	OPENWORKS LINKS:	bin.*/ow2003_12_seisio		
		bin.*/ow5000_0_seisio		
	OW seismic loader gets incorrect z_factor.			

Patch 6.013		06/11/09		Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements					
ID No.	MODULE:	FILES			
<1811>	DBTREE:	bin.*/dbtree	bin.*/segy2bgl	lib.*/libBOGLU.so	
		lib.*/libMU.so	lib.*/libSection.so	lib.*/libU.so	
"Sort by name" for wells works spuriously.					
<1813>	OPENWORKS LINKS:	bin.Linux/ow2003_12_dataio			
		bin.Linux/ow5000_0_dataio			
OpenWorks 2D horizon import could occasionally read data from the wrong lines (suspected compiler optimization issue).					
<1825>	APPL:	lib.*/libAPPL.so			
	Occasional crash after specifying long object name.				
<1819>	IESX-LINKS:	bin.Linux/iesx43_wellio			
		bin.Linux/iesx44_wellio			
		bin.Solaris8/iesx404_wellio			
		bin.Solaris8/iesx42_wellio			
		bin.Solaris8/iesx43_wellio			
		bin.Solaris8/iesx44_wellio			
IESX well import problem (first measured depth equals zero).					
<1821>	SEISMIC CAPTURE:	bin.*/bgl_capture			
	BGL capture sets first_z location for line to incorrect value.				
<1826>	APPL:	lib.*/libAPPL.so			
	Polygon editor dialog displays wrong units for Z domain.				
<1820>	APPL:	lib.*/libAPPL.so			
	Well edit dialogue does not propagate XYZ TVD changes to well picks.				
<1824>	DBTREE:	bin.*/dbtree			
	Renaming selected node does not update name in editor title.				

Patch 6.014		18/11/09		Patch release (Linux)	
Bug Fixes/Enhancements					
ID No.	MODULE:	FILES			
<1835>	TRAPTESTER:	bin.Linux/dbtree	bin.Linux/segy2b	lib.Linux/libMU.so	
		bin.Linux/bgl_create			
		bin.Linux/iesx43_wellio			
		bin.Linux/iesx44_wellio			
		lib.Linux/libAPPL.so			
		lib.Linux/libBOGLU.so			
		lib.Linux/libSection.so			
Applications fail to start with error "undefined symbol: stat".					
<1821>	TRAPTESTER:	bin.Linux/bgl_capture			
	BGL capture sets first z location for line incorrectly.				

Patch 6.015	25/11/09	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1822>	TRIANGLE:	bin.*/triangle	
	Abnormal exit signal 11 in Triangle.		
<1827>	TRIANGLE:	bin.*/triangle	
	Aesthetic improvements for Triangle.		
<1840>	SEISMIC IMPORT:	bin.*/segy2bgl	
	SEGY 2-D load fails with blocks of duplicate X and Y values.		

Patch 6.016	30/11/09	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1845>	EARTHGRID:	lib.*/libCPG.so	
	Fault planes fail to extract in EarthGrid.		

Patch 6.017	01/12/09	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1847>	OPENWORKS LINKS:	bin.Linux3/ow2003_12_dataio	
		bin.Linux3/ow2003_12_wellio	
	EL3 OpenWorks data and well links error with "undefined symbol: stat".		

Patch 6.018	06/01/10	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1856>	TRAPTESTER:	lib.*/libGOM.so	
	Optimized GOM lib could cause spurious FaultED calculations.		
<1858>	SEISMIC IMPORT:	bin.*/segy2bgl	
	SEGY loader causes staircase nav for duplicate XY case.		

Patch 6.020	01/02/10	Patch release (Solaris/Linux/Interix)	
Enhancements			
ID No.	MODULE:	FILES	
	TRAPTESTER:	ALL FILES	
<p>This patch introduces two major new enhancements:</p> <ol style="list-style-type: none"> 1) <i>Depth Conversion of time projects.</i> This includes storage and manipulation facilities for well time-depth curves. The depth conversion process operates on the entire framework model and optionally on BGL seismic data. 2) <i>Copy & Paste facility in Database Explorer.</i> This permits fast simple replication of most of the TrapTester object types. Once this patch has been installed refer to the PDFs in TT_HOME/docs/6.020 for a more detailed description of the new features. 			

Patch 6.021	11/02/10	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1860>	TRAPTESTER:	bin.*/ttopup	
ttopup does not display image on PC-Xserver for Vista/Windows-7.			
<1861>	VOLUME EDITOR:	lib*/libCubeX.so	
CubeXplorer volume memory limits reported inaccurately.			
<1862>	TRAPTESTER:	lib.Linux/libTG.so	
Replaces old-build of libTG.so which caused TT apps to crash with "undefined symbol: stat" when run on early versions of RHE-5.			

Patch 6.022	05/03/10	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1828>	WELL:	lib.*/libBOGL.so	
Well log data not coloured accurately according to colour-bar due to vertex shading constraints. Now uses 1D-texturing.			
<1866>	TRAPTESTER:	lib.*/libG2D.so	
Increased accuracy for graph-point selection in Time-Depth curve editor.			
<1867>	DB-EXPLORER:	lib*/libCDA2.so	
Copy & Paste of fault-based fault segments can cause data duplication.			
<1872>	TRAPTESTER:	lib*/libIDB500.so	bin*/t2dconv
Well horizon and fault picks not accurately converted when using the new 6.020 Time-to-Depth conversion system.			

Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1874>	ATTCALC/TXM:	lib*/libTXM.so	etc/attcalc/*.h
	Increased number of available user-defined attributes from 16 to 32.		
<1877>	BOGL:	lib*/libBOGL.so	
	Improved volume editor (+other BOGL clients) reset/warp view aesthetics. Now uses a "glide-to-view" transition.		
<1879>	WELL:	lib.*/libWell.so	
	Well-log data scaling can be incorrect.		
<1880>	EARTHGRID:	lib*/libTXM.so	
	Attribute range filter editor for display-methods uses non-existent attribute id to obtain default settings.		
<1881>	VOLUME EDITOR:	lib*/libEarthGrid.so	
	Volume Editor crash when loading session containing unlicensed EarthGrid scenario.		
<1882>	ECLIPSE I/O:	lib*/libIDB500.so	
	ECL import fails to assign new 6.020 model-data source value. Export not possible.		
<1884>	VOLUME EDITOR:	lib.*/libTCM.so	
	Contour method editor: third user-defined contour incorrectly inherits settings from those of the second.		
<1885>	DB-EXPLORER:	bin.*/dbtree	
	Delete hot-key (for deleting data objects) works incorrectly with text-fields. Now use CTRL+X.		
<1887>	ASCII:	bin.*/ctrex	
	Contour data explorer fails to export user-defined contours.		

Patch 6.023	08/03/10	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1888>	VOLUME EDITOR:	lib*/libCDA.so	
	Deleting points from a fault pointset fails with database errors.		

Patch 6.024	09/03/10	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements			
ID No.	MODULE:	FILES	
<1889>	VOLUME EDITOR:	lib*/libGEOS.so	
	Footwall SGR attributes are unreliable if synchronised on 64-bit Linux.		

Patch 6.025		13/04/10	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements				
ID No.	MODULE:	FILES		
<1891>	VOLUME EDITOR:	lib.*/libSurface.so	TrapAnalyst: element selection on Solaris can cause vol_ed to crash.	
<1892>	VOLUME EDITOR:	lib.*/libTTR.so	TrapAnalyst: when report creation fails, the element counter is wrongly set to zero.	
<1894>	TRAPTESTER:	scripts/configfaps	TT-TransGen: Drag & Fault-Zone plugins do not build on Interix.	
<1896>	FASIT:	bin.*/fasit	FASIT: does not plot the sense of movement on faults (-ve on reverse faults).	
<1900>	TRAPTESTER:	lib.*/libAPPL.so	Time-Depth-Curve editor and Time-Depth-Conversion-Scenario editor: add option to anchor velocity line intercepts to 0,0 and add background colour selection tool.	
<1902>	TRAPTESTER:	bin*/t2dctrl	Time-Depth converter only allows single selection in seismic volume lists.	
<1905>	IESEX-LINKS:	bin.Linux3/iesx_dataio bin.Linux3/iesx_seisio bin.Linux3/iesx43_data bin.Linux3/iesx43_seis bin.Linux3/iesx43_wellio etc/iosys/systems.rc	Support Geoframe IESX 4.3 on Redhat EL3	

Patch 6.026		05/05/10	Patch release (Solaris/Linux/Interix)	
Bug Fixes/Enhancements				
ID No.	MODULE:	FILES		
<1721>	CUBE EXPLORER:	lib.*/libCubeX.so	Probe upper face still visible even when switched off in Style Editor.	
<1906>	TRAPTESTER:	lib.Linux3/libTG.so	libTG causes missing symbol "stat" on RHEL3.	
<1907>	DBTREE:	bin.*/dbtree	Timeslice objects are sorted incorrectly.	
<1913>	DBTREE:	lib.*/libMU.so	Selecting option menu items does not enable Apply button in Database Explorer.	
<1914>	TRAPTESTER:	lib.*/libAPPL.so	Time-Depth Curve editor issues an error message on creation.	
<1915>	DBTREE:	bin.*/dbtree	Resizing Database Explorer can result in layout issues.	

<1916>	EARTHGRID:	lib*/libCPG.so	lib*/libGOM.so	
	EarthGrid fault walls miss-assigned.			
<1918>	IDB EDITOR:	bin*/asc_io		
	ASCII fault segment export fails for fault-based segs			
<1920>	EARTHGRID:	lib*/libGEOS.so		
	EarthGrid fault user-attributes not computed when selected in proj-params.			
<1921>	EARTHGRID:	lib*/libCDA.so		
	EarthGrid plugin user-attributes not assigned as set in scenario.			

Patch 6.027	21/06/10	Patch release (Solaris/Linux/Interix)		
Bug Fixes/Enhancements				
ID No.	MODULE:	FILES		
<1923>	CUBE EXPLORER:	lib.*/libCubeX.so		
	Loading sections via CubeXplorer probe faces causes exception.			
<1927>	DATA I/O:	bin.*/well_ex		
	Well data export fails if the the well name contains invalid path characters.			
<1929>	TRAPTESTER:	lib.*/libMU.so		
	Occasionally get "XError BadWindow" when attempting to restart crashed apps.			
<1930>	TRIANGLE:	bin.*/triangle		
	ASCII output from irregular triangle plots does not output all depth values.			
<1933>	DATA I/O:	lib.*/libGEOS.so		
	Import of "multi-surface" GOCAD format tri-meshes can cause problems with polygon manipulation and attribute generation.			
<1934>	FAULTED:	lib.*/libGEOS.so		
	<p><i>Enhancement:</i> ASCII output of attributes. The output file is located at:</p> <p style="text-align: center;"><project>/fed/<scenario>/<surface_name>/SurfaceAttr</p> <p>Each record in the file contains:</p> <p style="text-align: center;">x, y, z, Ux, Uy, Uz, E1, E2, E3 K-shape, K-dist, E-mag, Delta-v S1, S2, S3 S-mean, S-diff, MCSS</p>			