

Changes to TECHBASE Programs in Version 2.90.2

Version 2.90.2 of TECHBASE includes corrections and incremental updates to the 2.90 version! These updates have been created based on corrections to user-reported problems, as well as ongoing development efforts for the Techbase system. The changes are listed by program. Changes are designated by (N) for a New feature, and (E) for Enhancements. Documentation changes are indicated with a (d).

System-wide Changes

Locks

(d)	The message when the lock is not found now mentions USB as well as the printer-port locks.
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Changes by Program

ARC2TB

(E)	Now can read and write 3D Point, Polyline, and Polygon shape files.
	<i>Put / Fields</i> menu now allows a POLYGON shapefile to be created from attribute fields in a FLAT table that is joined from a POLYGON table. Previously, this only worked if the JOIN was first in the table priority.

Coaltasks

(E)	All references to the USER parameter are now in quotes, to allow for user login names that contain an embedded space.
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DEFINE

(d)	<i>Tables / Create</i> and <i>Fields / Create</i> menu help screens now list the correct expanded maximum name lengths for tables and fields.
(d)	Help menu for entering CALCULATED field equations now eliminates the mention of a 32-step limit.
(d)	Help menu for <i>Database / Initialize</i> now includes information on the maximum length for the database name.

INSIGHT

	Corrected error that sometimes left control in the <i>Contour/Line</i> menu, with "xoxo" displayed, when entering <i>INSIGHT</i> from the Techbase master menu.
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LOAD

	Output of <i>Print</i> command now differentiates between (R,num), which replaces any value that matches numerically, and (R,"num"), which replaces only those values that match exactly as written.
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MF2AC

(N)	Now includes the ability to set a default elevation, to shift entire metafile to a particular elevation in the DXF. Explicit elevations in the metafile, for example on contour lines, will override this default.
	Corrected error in translation of arc and circle entities, which sometimes left "blobs" of fat lines.
	Corrected error that assigned the elevation from the last contour line drawn to metafile entities without an explicit elevation.

MFWIN

	Save-as JPEG now properly includes, and positions tiff and jpeg images from the metafile in the saved output.
	Corrected error, with some printers, that a rotated image, clipped to the metafile range, would erase surrounding areas of the plot, so that it appeared that only the last such image in a metafile survived.

OPREPT

(E)	Extended the length for the name of material Classes to 32 characters.
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OPSCHED

(E)	Extended the length for the name of material Classes to 32 characters.
	<i>sAve / polygon Table</i> function now correctly updates the geometry for a polygon record when updating by KEY.
	<i>New layer number</i> field is now right-justified in the <i>Line / new Id</i> menu.

OPSLOPE

(E)	Expanded <i>Slope / Add sector</i> menu to allow maximum of 10 slope-changes per sector.
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POLYEDIT

(N)	When creating or modifying a line, now has a <i>vecTor</i> command, to add a point by azimuth and distance from the previous point. Very useful for entering “metes and bounds” traverses.
	<i>Save / polygon Table</i> function now correctly updates the geometry for a polygon record when updating by KEY.
	Eliminated possible crash when <i>Line / Modify / subdiVide</i> command inserted a large number of points.
	When started with filenames on the command line, or by double-clicking on a polygon file, the runlog now correctly includes all setup steps.
	<i>New layer number</i> field is now right-justified in the <i>Line / new Id</i> menu.

POSTER

(E)	When the plot range is set explicitly, no longer scans the data for the coordinate range on the first draw.
	Corrected a problem that sometimes caused plotting a second large <i>Image file</i> to fail due to insufficient memory.

REPORT

(E)	Now includes an ability to use a “CSV” delimiter. This uses comma separators, as well as quotes around text with embedded commas or quotes.
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RANDCONT

	When contouring a second set of fields, with a non-zero smoothing factor, only the first set of contours was included in the metafile.
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Rocktasks

(E)	All references to the USER parameter are now in quotes, to allow for user login names that contain an embedded space.
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SECTION

(E)	<i>Holes / Linestyle</i> now allows the Style and Color for the drillhole trace to be given as integer fields.
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SMREPT

(E)	Extended the length for the name of material Classes to 32 characters.
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TBEDIT

(N)	<i>Browse</i> and <i>Edit</i> menus now have a function to <i>duPlicate</i> the current record.
	<i>Tables / coPy records</i> function now correctly updates the geometry for a polygon record when updating by KEY.

TECHBASE

	After running a program from the <i>Graphics</i> menu, and some others, the <F1> key is still grayed-out, even though it is active.

TECHNICN

(E)	Now allows LT parameter lists with only one value.
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TRANSFER

(E)	After <i>Get</i> operation, now displays the number of records inserted or updated to each table.
	Corrected error in <i>Put</i> and <i>Get</i> of variable Cell, Block, and Layer table definitions.
	Corrected error when getting a keyed table, with no records in the transfer file, into a database that already has that table, but no records. Was giving an integrity error with the length of the key.

TRIGRID

(d)	Message at the end of the estimation has been corrected, so that the number of points does not include the 4 bounding points added to start the triangulation.
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UPGRD 29

(E)	When a database can't be opened for upgrading, because of a missing, protected, or corrupted file, the message now includes more information about the specific file.
(d)	Messages when <i>Querying</i> or <i>Updating</i> locks now mentions USB as well as printer-port locks.

Changes to TECHBASE Programs in Version 2.90.1

Version 2.90.1 of TECHBASE includes corrections and incremental updates to the 2.90 version! These updates have been created based on corrections to user-reported problems, as well as ongoing development efforts for the Techbase system. The changes are listed by program. Changes are designated by (N) for a New feature, and (E) for Enhancements. Documentation changes are indicated with a (d).

System-wide Changes

Locks

	The Sentinel system drivers for the USB and Parallel hardware locks are now installed automatically when the system is installed.
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Changes by Program

Coaltasks

(E)	<i>Admin / Model limits</i> task now allows up to 15 layers to be established in the model.
(E)	<i>Modeling / Quality</i> task now uses the "Correct neg Weights" feature in the Kriging program, by default.
	Corrected mis-count of quality parameters to be modeled, when field existed in the composite table but not the layers table.

COMPOSIT

	Composit was giving wrong coordinates when Smooth=NO (dogleg calculation). Worked properly with Smooth=YES
	<i>Assignment, Coordinates and Length</i> menus had widths extended to allow new, longer field names.

CUMFREQ

	<i>Field</i> menu width extended to allow new, longer field names.
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HISTO

	<i>Field</i> menu width extended to allow new, longer field names.
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LOCATE

	<i>Fields, Assignment, Surface, and Count</i> menus had widths extended to allow new, longer field names.
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MFEDIT

(E)	When program is started with a file name on the command line, the runlog now includes the steps that open that file.
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MFWIN

	Corrected problem that caused crash if metafile on the command line included a logical variable, such as <i>\$TBMEM:poster.met</i> .
	Corrected problem that caused crash if too many metafiles were listed in the <i>File/Open/Command-line</i> window.

Network

	Time for Individual programs to start up and check the network lock was very slow. Defaults were changed and the search time improved significantly.
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POLYEDIT

(E)	When program is started with a file name on the command line, the runlog now includes the steps that open that file.
(E)	Now allows multiple file names on the command line.
(E)	Now allows background metafile and background image file names to be listed on the command line.

Rocktasks

(E)	<i>Admin / Model limits</i> task now allows up to 15 layers to be established in the model.
(E)	<i>Modeling / Quality</i> task now uses the "Correct neg Weights" feature in the Kriging program, by default.
	Corrected mis-count of quality parameters to be modeled, when field existed in the composite table but not the layers table.

TECHBASE 2.90.2 Changes

SECTION

	Section was plotting wrong drillhole trace when Smooth=NO (dogleg calculation). Worked properly with Smooth=YES
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TBEDIT

(E)	In <i>Tables / Insert records</i> , now checks to make sure total table size will be within limits for 32-bit file handling.
	<i>Browse / Assign</i> no longer makes changes to records marked for deletion.

UPGRD 29

	<i>Locks / Upgrade lock</i> function was not working.
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