

release 11

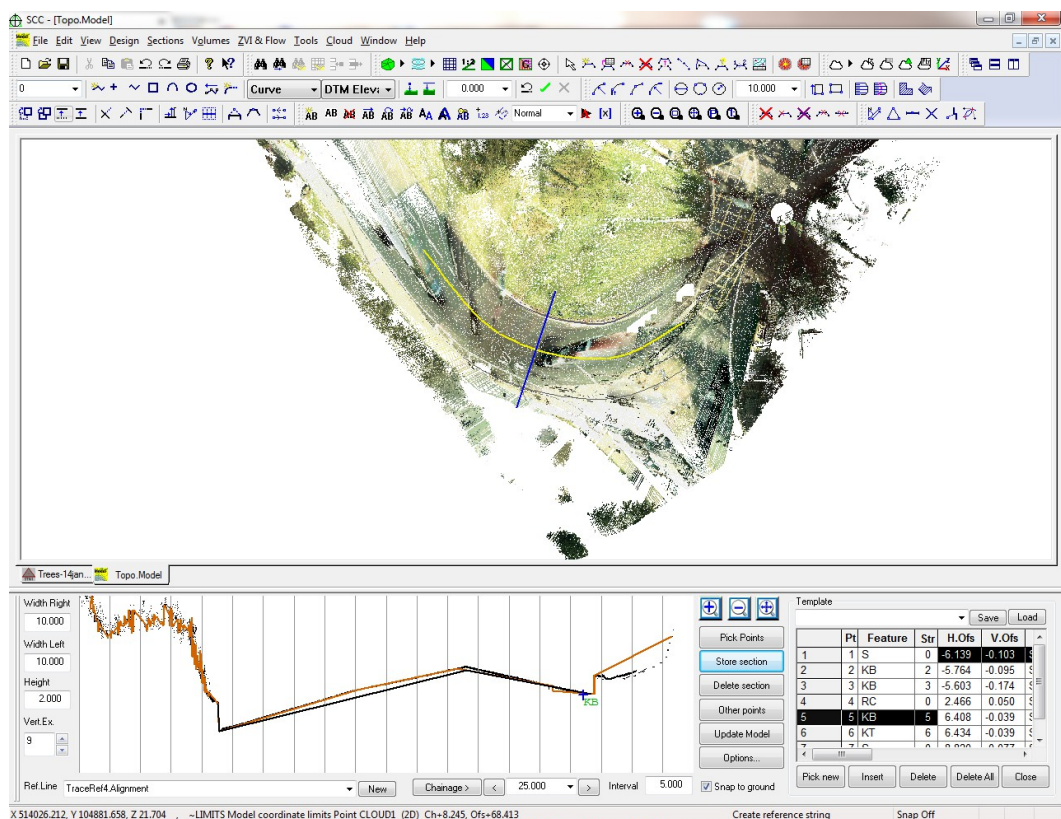
SCC

Survey Control Centre

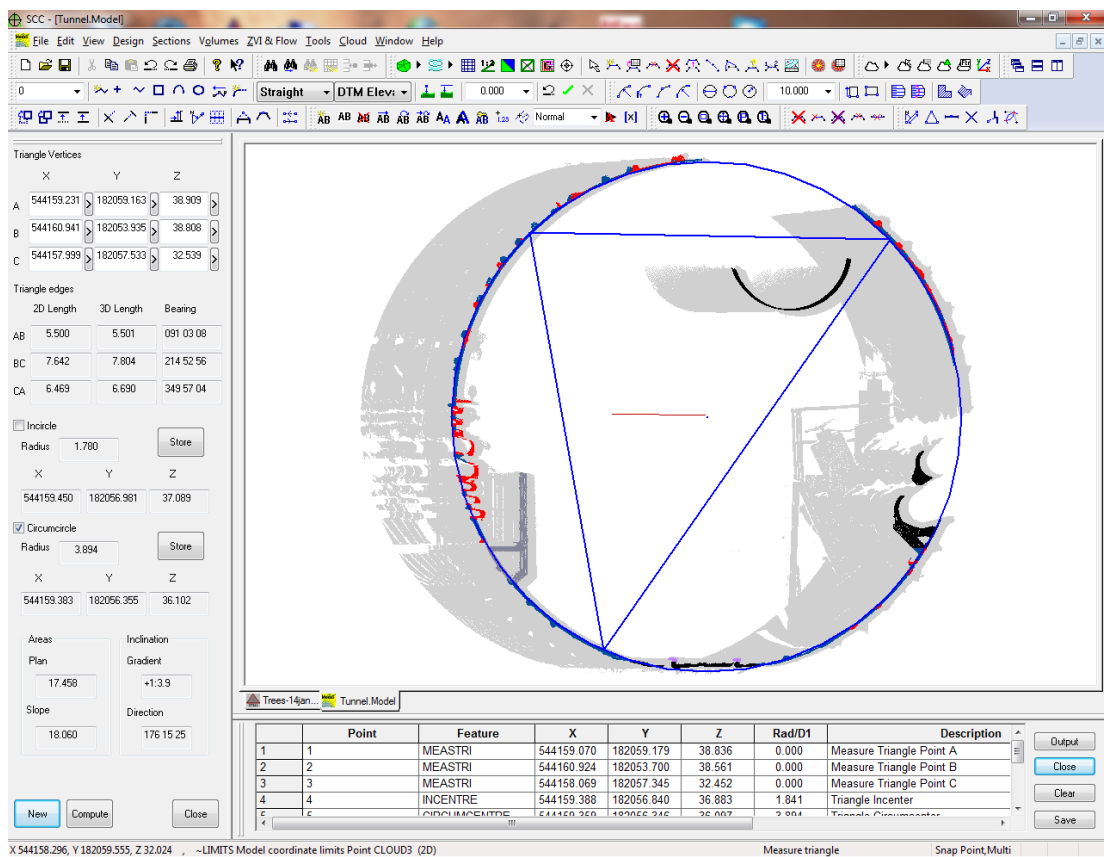
Date: June 2014
Re: SCC release 11

We are pleased to announce a major new release of SCC with SCC 11.0.7. This release contains the following modifications from SCC 10.16.5;

- Extraction of linear features, such as road edges, kerbs, crash barriers, rails, etc... from point clouds has now includes a manual option in addition to the fully automatic option. This allows for interactive selection of points on section or in plan by chainage, with interpolated output at user defined interval. It also includes split screen view with automatic real-time panning as chainage updates, real time zoom and pan in section, entry of partial sections, and inclusion of off-section features such as street furniture at any time.



- The feature annotation dialog now includes a graphic preview of the selected feature, including insertion points for multi-point symbols. This is of particular benefit when adding road markings from scanned data while extracting linear features as described above.
- All dialogs that work interactively with a model have been changed to vertical or horizontal side bars, such that they do not obscure any part of the model.
- All measurement tools have been updated such that they can output measured position to active string creation tools in addition to the coordinate computations stack. The coordinates computations dialog has been converted to a horizontal side bar to allow it to work more smoothly in conjunction with the measure tools
- A new point cloud selection method has been added for all points in a given radius from a selected 3d string or active alignment. This corresponds to cylindrical separation, and allows for more rapid editing of tunnels scans, in terms of easily labelling everything as inside the tunnel, part of the tunnel wall, and outside the tunnel, and additionally allows easy selection of all points on cylindrical pipes.
- The measure triangle option now works in 3d viewpoints and allows incentre and circumcentre to be stored, which enables quick and easy creation of provisional tunnel alignments from scans in order to facilitate generation of rings for wriggle surveys.



- AutoCAD support has been updated to include read/write support for AutoCAD versions up to 2014.

- Layer names, prefixes and suffixes have been extended to sixty four characters and included mixed case and all printable ascii characters to better support Microstation 8.
- Support has been added for exporting river sections EACSD format, with user defined feature mapping to EACSD code, vegetation and ground types, support for structures such as bridges, and export of long section profiles as well as cross sections.
- High performance matrix processing has been added to the 64 bit version of SCC, with tests showing a network of ~7,500 observations taking ~ 4 minutes to adjust.
- Licenses can now be updated using a license file in addition to typing license details in manually.
- Additional options have been added to the Leica download to support dot coded features and remarks, and non-survey related notes in a GSI file.
- The PTS point cloud import has been updated to support tab separated as well as space separated data.
- The 64 bit version of the software now includes support for Grid Inquest based transformations previously only available in the 32 bit release.
- The data selection dialog now includes an extra option to only select text similar to the text picked. Thus to select all the level text associated with a given string, tick this box, tick **All points on selected string**, press **Ok**, and click on a piece of level text on a given string. Picking a point on the string in this case selects all the text as well as the points.
- The height difference to alignment report has been updated to allow alphanumeric point IDs
- Standard errors for traverses now default to last used values, and these defaults are stored in the SCC profile
- The number of places of decimals on plan position and elevation in the text traverse report is now controlled using the Decimals displayed fields under **File / General options**.
- The two prism correction function now allows any features to be used for the left and right rail strings.
- A bug has been fixed where PDF exports were not been scaled correctly where printer driver margins did not agree with sheet margins.
- A bug has been fixed where live sections required a mouse click to update the screen.
- A bug has been fixed where coloured symbols included in a sheet layout block were being exported to CAD in the BYBLOCK colour.
- A bug which was introduced in 10.16.5 to the Append Traverse function has been fixed.
- A bug has been fixed in the rail strings overlap function where automatic creation of best fit alignments was not working with very short rail strings.
- A bug has been fixed where the license manager was sometimes not releasing licenses when used with the 64 bit version of the software where the license manager was running on Windows 7.
- A bug has been fixed where the text overlap tool was not deleting text with the identical grid Y position, e.g. annotation from an extracted grid of levels.

- A bug has been fixed where the curve fitting sequence of S, C, DS was creating a 3 point arc rather than a 2 point + tangent arc.

This is available for immediate download using the link below, and will also be posted out on DVD to all users with a current maintenance agreement.

Full install (860mb): www.atlas-files.com/scc-users/setup-scc-11-0-7-full.exe

Update (66mb): www.atlas-files.com/scc-users/setup-scc-11-0-7-update.exe

Please note when running these installations under Windows 7 or later, download the set-up program, and from explorer use the **Run as Administrator** option given by right clicking the downloaded file. The full installation of this release of SCC is significantly larger than previous releases as it includes some large tutorial sample files and updated on-line help.

If you would like a demonstration of the new features or any existing features of SCC, we can be contacted directly at 003531 4958714 or via SCCS at 0044 1480 404888.

To keep up to date with developments in SCC please join our user forum at <http://www.atlascomputers.ie/smf/index.php> or LinkedIn group at <http://www.linkedin.com/groups/SCC-users-4971870>