

# Veta 5.2 Release Notes

## Installation

- Microsoft .NET 4.6.2 is required.
- Windows 7 SP 1 is the minimum supported operating system.
- Veta 5.2 can be installed on the same machine as previous versions.
- Veta 5.2 can open projects created in previous versions, but not vice-versa.

## 5.2.81

### Import

- Fix: Machine name and Data lot were not imported correctly from TDS files.
- Fix: Speed was not calculated for thermal profiler TDS files.

### Alignments

- Fix: Some stations equations were not imported correctly.
- Fix: Alignments that used international feet could not be imported.

### Spot Tests

- Fix: A blank value for a spot test caused a crash.
- Fix: Pasting spot tests with an unknown test type and then attempting to copy the spot tests to the clipboard caused a crash.
- Change: An unrecognized test type is now labeled as "Other".
- Change: "Other" can now be selected as a test type.

### Analysis

- Fix: If a previous project had been opened, the IC pass count specification and paver temperature specification showed the values from the previous project. Changes to these specifications would be not applied to the current project.
- Fix: Thermal profiling semivariogram results were not always displayed using the selected location unit for the project.

### Miscellaneous

- Fix: Some projects created in previous version of Veta could not be opened.

## 5.2.75

### Import

- Fix: Some units in TDS files were not recognized.
- Fix: TDS sensor offsets were not processed correctly.
- Fix: TDS compactor files could not be imported.

## Miscellaneous

- Fix: Software did not work on some Windows' Regional Settings.

## 5.2.71

### Import

- Fix: TDS files using GRS80 (EPSG 4019) could not be imported.

### Analysis

- Fix: Analysis crashes.
- Fix: Wrong thresholds were drawn on the Differential and Segregation Quality Control charts.

### Filters

- Fix: Filter group manager crash.
- Fix: Renaming a generated filter group did not automatically update the operation filter names in the coverage analysis or in the filter screen.

### Sublots

- Fix: Value shown for the length did not always match the displayed unit (meters or feet).

## Miscellaneous

- Fix: Projects created in some previous versions of Veta 5.x would increase in size when re-saved.
- Fix: Possible fix for the legend window not closing.
- Fix: Changing a map legend in the analysis did not update other maps.

## 5.2.62

### Analysis

- Fix: Analysis crash.

## 5.2.61

### Import

- New: Added support for Voegele thermal profiling files.
- New: If a file does not contain speed data, it will be calculated.
- Fix: A fix in 5.2.47 caused a bug that could cause incorrect merging of Laser Test Roller and MOBA thermal files. Existing projects will be reprocessed.
- Fix: The cold-edge filter did not work when multiple files were selected in the operation filter.
- Fix: If a project contains files that do have a Data lot name and files that do not have a Data lot name, the latter might not show in the filtered results. The same problem also existed for the Machine name.
- Change: Files that do not contain a Data lot name will be assigned a Data lot name of, "(None)". The same also applies to the Machine name.
- Change: Existing MOBA thermal profile projects will be reprocessed to read the data lot name.
- Change: Revised calculations for heading and speed for non-gridded data.

## Miscellaneous

- Fix: Projects with a very large number of imported files could not be opened.

## 5.2.57

### Import

- New: Veta-recognized coordinate systems are now read from Leica files.
- Change: The Roadway ID in MOBA thermal profiles will be used as the data lot name. Existing projects will not be changed.

### Filters

- Change: Exclusions have been moved to a subfolder. The text, "Exclusions - ", is no longer added to new Exclusion filters.
- Fixed: Sometimes a generated operation filter is not automatically removed when it should be. It is not known what causes this, but these groups will be removed when the project is reopened.
- Fixed: More accurate creation of station-based location filters. Existing filters will be updated when a project is opened.
- Fixed: Detection of some instances of using incorrect stations for a location filter. These instances will now correctly not create the filter instead of creating one with incorrect locations.
- Fixed: Sometimes filter creation options were missing from the toolbar.

### Analysis

- Fixed: Changing the sorting for the differential table caused the map to highlight the wrong subplot.

## Miscellaneous

- Fixed: Some Windows Regional Settings would cause a crash at startup.

## 5.2.47

Existing MOBA thermal profiling and TDS projects will be reprocessed.

### Import

- Fixed: TDS files were not imported correctly.
- Fixed: MOBA thermal profiling files that were continued on a later date did not have the correct times.
- Change: Account for new paveproj files saved by MOBA's PPM software.

### Alignments

- Fixed: LandXML files with multiple alignments only used the stations from the first alignment. Existing alignments will be reprocessed. Filters using these alignments will need their selections checked.
- Change: Initial alignment names now include the file extension (kml, kmz, or xml) to differentiate between multiple alignments with the same name.

## Filters

- Fixed: A copy of a generated filter could not be deleted or renamed.
- Fixed: Changing the selected filter group back and forth could cause the "Apply filter group" button to be incorrectly hidden. Because it is not possible to determine the correct state in previous projects, existing projects will always show the button until the filter group is applied.
- Fixed: Making a copy of a data filter would list it twice.
- Fixed: Station offsets for new exclusion filters were always in meters.
- Change: New exclusion filters include the default text, "Exclusion - ".

## Analysis

- Fixed: Analysis might fail if Speed or Temperature were not selected.

## 5.2.36

### Import

- Fixed: Leica data was not visible on the map due to a late change in an unrelated section of the code. Existing projects will be automatically reprocessed. Bomag raw data was also affected, however because this issue was only present for a few days and is noticeable, that data will not be automatically imported.

## 5.2

### Import

- New: Added support for TDS files (standard file format) for compaction, thermal profiling, and laser test roller.
- New: Added support for Leica compaction files.
- New: Included support for EVIB when using MOBA compactors.
- New: Zip and Gzip data files that contain only one file are now supported.
- Change: Specifying the machine vendor is no longer necessary, so the dropdown was removed from the import wizard.

## Data Files

- Fixed: Viewing files could cause data to be incorrect or missing.

## Alignments

- New: Added support for KML.
- New: Added limited support for LandXML alignments and stations.
- Change: Alignments were originally used only for drawing on the map but have now become an integral part of the software. To account for this, the nomenclature has changed:
  - Alignment is now Alignment File (each file can contain multiple alignments)
  - Drawing is now Alignment (stations and station equations/regions are defined here)
  - Object is now Line

## Filters

- New: The offset location filter can now use stations.

- Change: The Position input for offset location filters has been removed. Positive numbers are the right of the reference line, negative to the left.
- Fix: Sometimes the appropriate context menus (right-click) did not show.
- Fix: Cold-edge filtering would perform very slowly if multiple files were selected in an operation filter.

## Analysis

- Fixed: Thermal profile did not always redraw.

## Miscellaneous

- New: Added a Zoom to Station option.
- Change: The options "Use SI units" and "Location unit" have been moved to the Project Properties. New projects will use the most recently used values for these items as default.
- Change: Generated final coverage for all passes that only contain static data will no longer show ICMV.
- Change: Improved map performance.
- Fixed: Some previous projects (3+ years ago) could not be opened successfully.

## Known Issues

- Minnesota County zones along Lake Superior are not importable: Cook North Shore, Lake North Shore, St. Louis North Shore.
- Individual lifts in Trimble files are not currently recognized. The pass counts shown are for all combined lifts.
- The aerial map will not usually show for the two most zoomed-in levels.
- Files downloaded using MOBA's PPM software may not have the correct timestamps.