POINTOOLS *Vortex*

## Release Notes 1.5.1.0

Changes since 1.5.0.8

**POINTOOLS VORTEX API**

A summary of changes follows below:

* Added: Georeference string in WKT format extracted from LAS files where available.
* Added: classification import from Terrascan bin files
* Added: ptSetCloudTransform implemented
* Improved: rendering compatibility for lower end hardware
* Improved: Snapping results for large flat data (eg for ariel lidar data)
* Fixed: PT\_QUERY\_DENSITY\_LIMIT not working for all query types
* Fixed: crash when same file loaded multiple times
* Fixed: incorrect results when using certain combination of editing and layer operations
* Fixed: in Classifications example that caused rendering to flash
* Fixed: MovePnts example did not correctly display per point channel offsets
* Fixed: MakeBmp example did not correctly display shader settings
* Fixed: Selection colour not working for computed RGB values in queries
* Fixed: Metadata Compression tolerance value not correctly read from POD file
* Fixed: Tiles observed in point cloud display
* Fixed: POD file is locked after certain sequence of file operations
* Fixed: Viewport shading inconsistent

Interface changes:

* Added: Function *ptViewportIndexFromName*
* Added: Function *ptIsolateSelected*
* Added: Function *ptGetSelectionDrawColor*
* Extended: Function *ptReadChannelsFile*, to return channel handles that have been loaded

Please see updated API Reference for an explanation of these functions.

Deployment changes:

The shaders folder used for hardware rendering has been removed. Shaders are now embedded in the library.

**POINTOOLS IO API**

**Faro Library Deployment**

Faro libraries updated to current latest 4.6 builds. Faro now recommends that these dlls are installed side-by-side and not registered with regsvr32. Class IDs in these dlls are not updated with new versions and it is not possible to ensure that the correct version dll is being loaded without side-by-side installation. However since we have not fully tested this method we still recommend that you register the iQOpen.dll library on deployment.

**DLL Version numbers**

The following 3rd party dlls (dependencies) do not contain a version resource. Their versions are listed below:

Ixflib 1.3.0.0

Xmllib2 2.6.7.0

Scanifc-mt 2.1.0.0

**Interface changes**

POD Formats (*GenericAsciiOpt* class)

Function added to enable independent specification of X, Y and Z columns for generic ascii data import.

*POC\_CloudClassification* constant has been renamed to *POD\_CloudClassification*

Pointools Dev  
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