

LAS 2 CSV

Script to convert LAS 3.0 files into multiple CSV files that can be imported in acQuire 4 using regular Import objects.

Version: 1.1

Author: Rodrigo Nobrega

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Installation

Download and install the latest version of Python: <https://www.python.org/downloads/>

It needs to be version 3.x or above. Python 2.x will not run this script.

Save the Python script **Las2csv.py** and the **Las2csv.qsql** acQuire 4.4.2.3 Script object to a folder in your hard disk. It doesn't need to be the same folder where the LAS files are located.

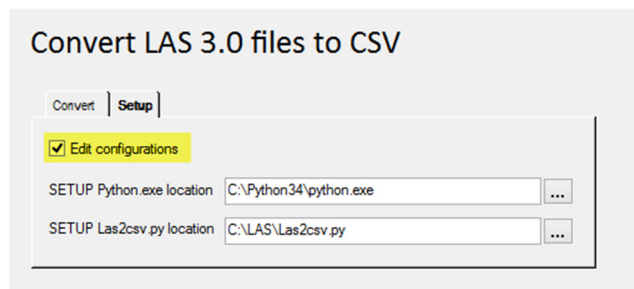
Usage

Add the **Las2csv.qsql** acQuire 4.4.2.3 Script object to the acQuire Workspace, or add the base folder containing the acQuire script object in the workspace with *Tools > Options* menu.

Run the **Las2csv** script object on the acQuire 4 workspace.

Setup

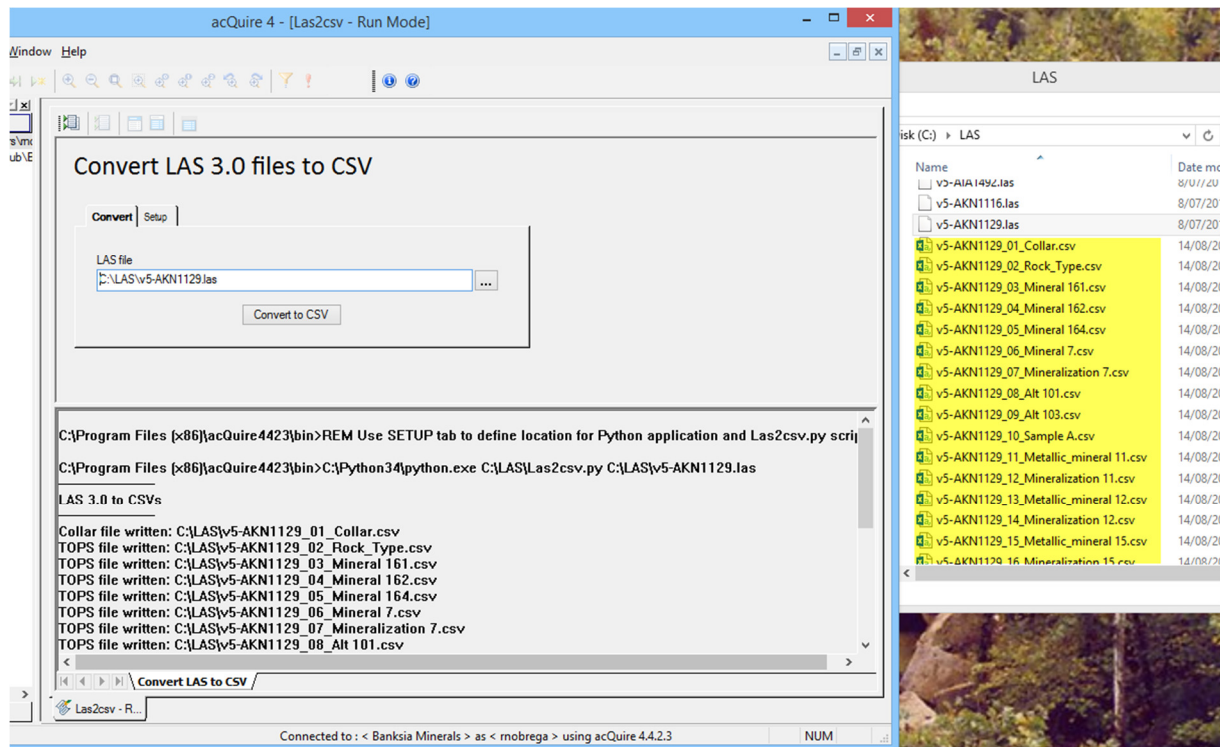
Before running the script the first time some configuration needs to be done. It consists in informing to the object the location of the *Python.exe* interpreter executable, and the location of the *Las2csv.py* Python script. On the **Setup** tab, select the checkbox to *Edit configurations* and select the folders for the two files. Save the object after setting them up.



The screenshot shows a dialog box titled "Convert LAS 3.0 files to CSV". It has two tabs: "Convert" and "Setup". The "Setup" tab is active. Inside the "Setup" tab, there is a checkbox labeled "Edit configurations" which is checked. Below this, there are two text input fields. The first is labeled "SETUP Python.exe location" and contains the text "C:\Python34\python.exe". The second is labeled "SETUP Las2csv.py location" and contains the text "C:\LAS\Las2csv.py". Both input fields have a small "..." button to their right for file selection.

Execution

On the **Convert** tab, select a LAS file you want to convert to CSV. Press Convert to CSV button and observe the console output under the script Control Sheet, as well as the contents of the LAS file folder for the output CSVs.



Future improvements (optional)

- ~~A graphical user interface.~~ Developed in the acquire 4 workspace in version 1.1
- Insert the CSV data directly in the acquire database without the need to import them.