

## 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: 1.0

Author: Rodrigo Nobrega

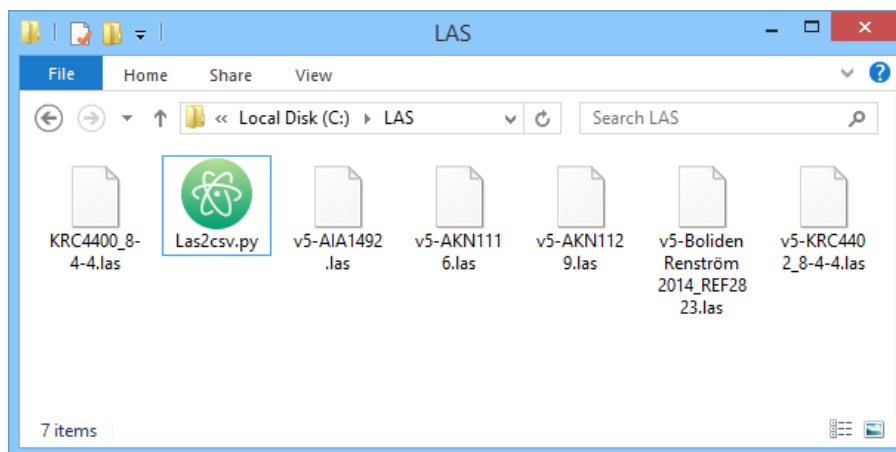
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## Installation

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** to a folder in your hard disk. It doesn't need to be the same folder where the LAS files are located.



## Usage

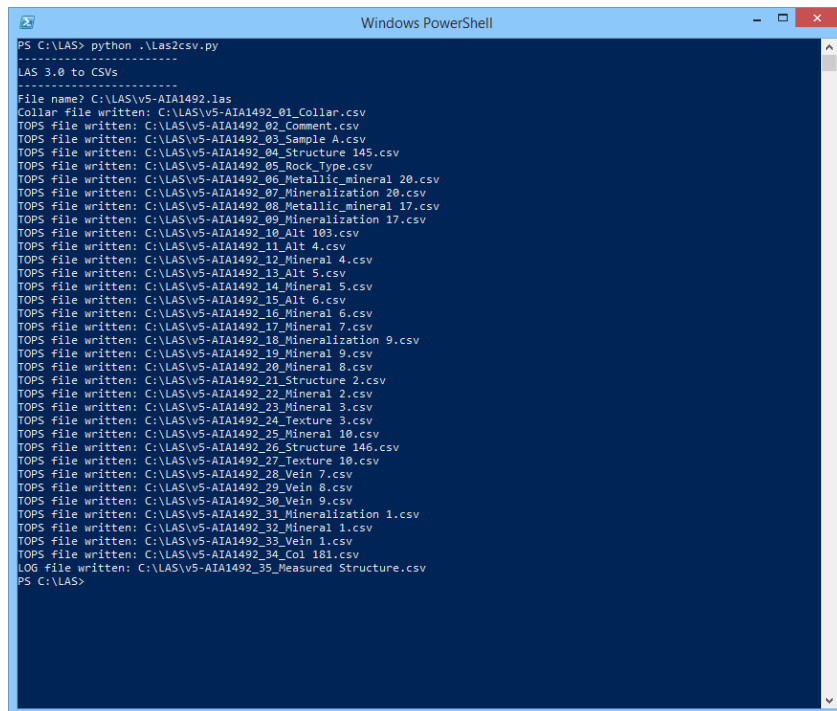
Open a command prompt and go to the directory where the Las2csv.py script is saved. Type the following command:

```
python Las2csv.py
```

It will ask for the LAS file name to be converted. If the files are located on the same directory then just the file name is enough, otherwise please inform the full path\filename.

The script will then generate the CSVs and report each file that was written.

The CSV files can then be used with regular acQuire 4 Import objects.



```

PS C:\LAS> python .\Las2csv.py
-----
LAS 3.0 to CSVs
-----
File name? C:\LAS\v5-AIA1492.las
Collar file written: C:\LAS\v5-AIA1492_01_Collar.csv
TOPS file written: C:\LAS\v5-AIA1492_02_Comment.csv
TOPS file written: C:\LAS\v5-AIA1492_03_Sample A.csv
TOPS file written: C:\LAS\v5-AIA1492_04_Structure 145.csv
TOPS file written: C:\LAS\v5-AIA1492_05_Rock Type.csv
TOPS file written: C:\LAS\v5-AIA1492_06_Metallic_mineral 20.csv
TOPS file written: C:\LAS\v5-AIA1492_07_Mineralization 20.csv
TOPS file written: C:\LAS\v5-AIA1492_08_Metallic_mineral 17.csv
TOPS file written: C:\LAS\v5-AIA1492_09_Mineralization 17.csv
TOPS file written: C:\LAS\v5-AIA1492_10_Alt 103.csv
TOPS file written: C:\LAS\v5-AIA1492_11_Alt 4.csv
TOPS file written: C:\LAS\v5-AIA1492_12_Mineral 4.csv
TOPS file written: C:\LAS\v5-AIA1492_13_Alt 5.csv
TOPS file written: C:\LAS\v5-AIA1492_14_Mineral 5.csv
TOPS file written: C:\LAS\v5-AIA1492_15_Alt 6.csv
TOPS file written: C:\LAS\v5-AIA1492_16_Mineral 6.csv
TOPS file written: C:\LAS\v5-AIA1492_17_Mineral 7.csv
TOPS file written: C:\LAS\v5-AIA1492_18_Mineralization 9.csv
TOPS file written: C:\LAS\v5-AIA1492_19_Mineral 9.csv
TOPS file written: C:\LAS\v5-AIA1492_20_Mineral 8.csv
TOPS file written: C:\LAS\v5-AIA1492_21_Structure 2.csv
TOPS file written: C:\LAS\v5-AIA1492_22_Mineral 2.csv
TOPS file written: C:\LAS\v5-AIA1492_23_Mineral 3.csv
TOPS file written: C:\LAS\v5-AIA1492_24_Texture 3.csv
TOPS file written: C:\LAS\v5-AIA1492_25_Mineral 10.csv
TOPS file written: C:\LAS\v5-AIA1492_26_Structure 146.csv
TOPS file written: C:\LAS\v5-AIA1492_27_Texture 10.csv
TOPS file written: C:\LAS\v5-AIA1492_28_Vein 7.csv
TOPS file written: C:\LAS\v5-AIA1492_29_Vein 8.csv
TOPS file written: C:\LAS\v5-AIA1492_30_Vein 9.csv
TOPS file written: C:\LAS\v5-AIA1492_31_Mineralization 1.csv
TOPS file written: C:\LAS\v5-AIA1492_32_Mineral 1.csv
TOPS file written: C:\LAS\v5-AIA1492_33_Vein 1.csv
TOPS file written: C:\LAS\v5-AIA1492_34_Col 181.csv
LOG file written: C:\LAS\v5-AIA1492_35_Measured Structure.csv
PS C:\LAS>
  
```

## Future improvements (optional)

- A graphical user interface.
- Insert the CSV data directly in the acQure database without the need to import them.