

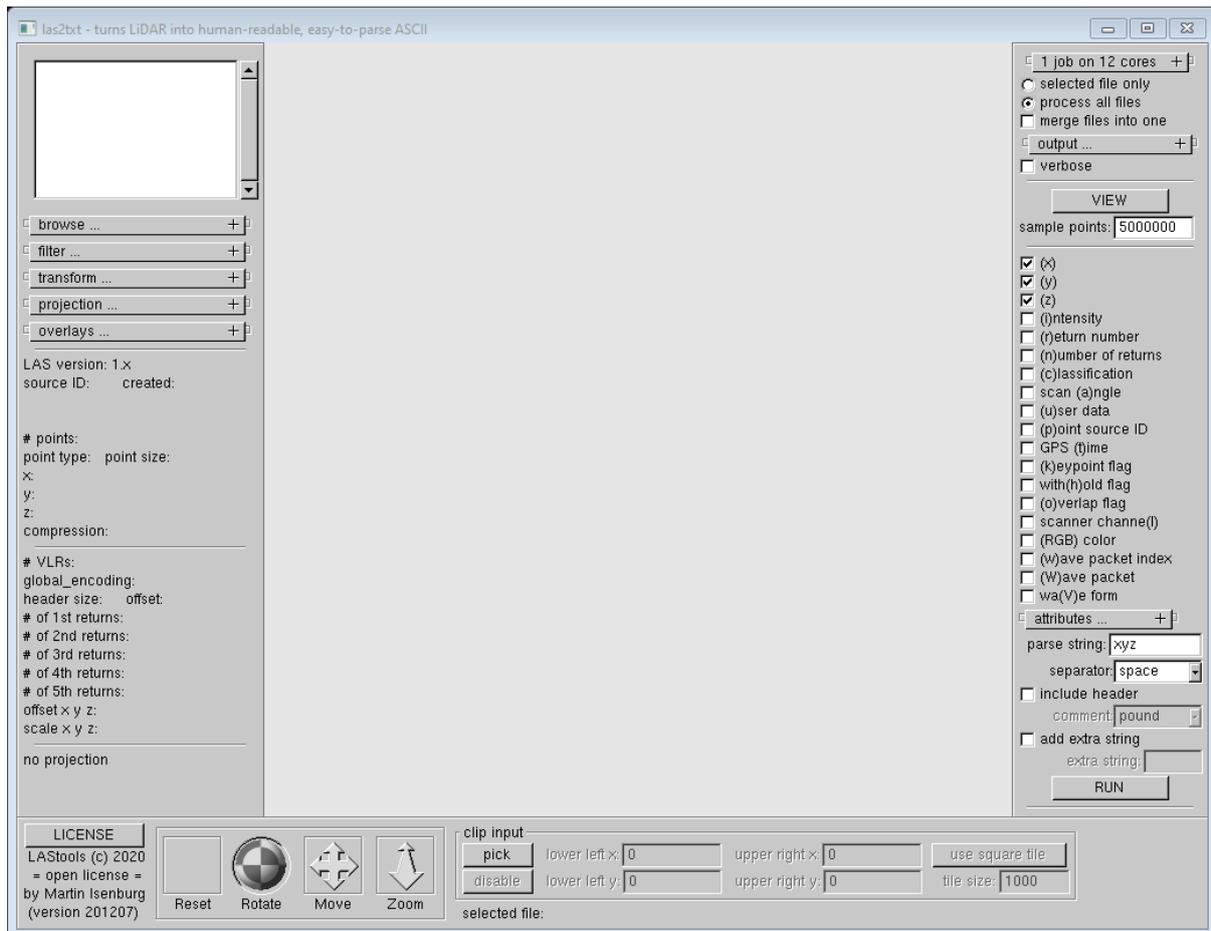
## Using LAStools

LAStools is set of programs for processing lidar data. To prepare lidar files for importing into COLDNet Profile, we use the program las2txt.exe which is part of LAStools. This program converts the binary .las or .laz files to a text file which is the format that COLDNet Profile reads in lidar data.

The .laz format is a compressed lossless form of a .las file.

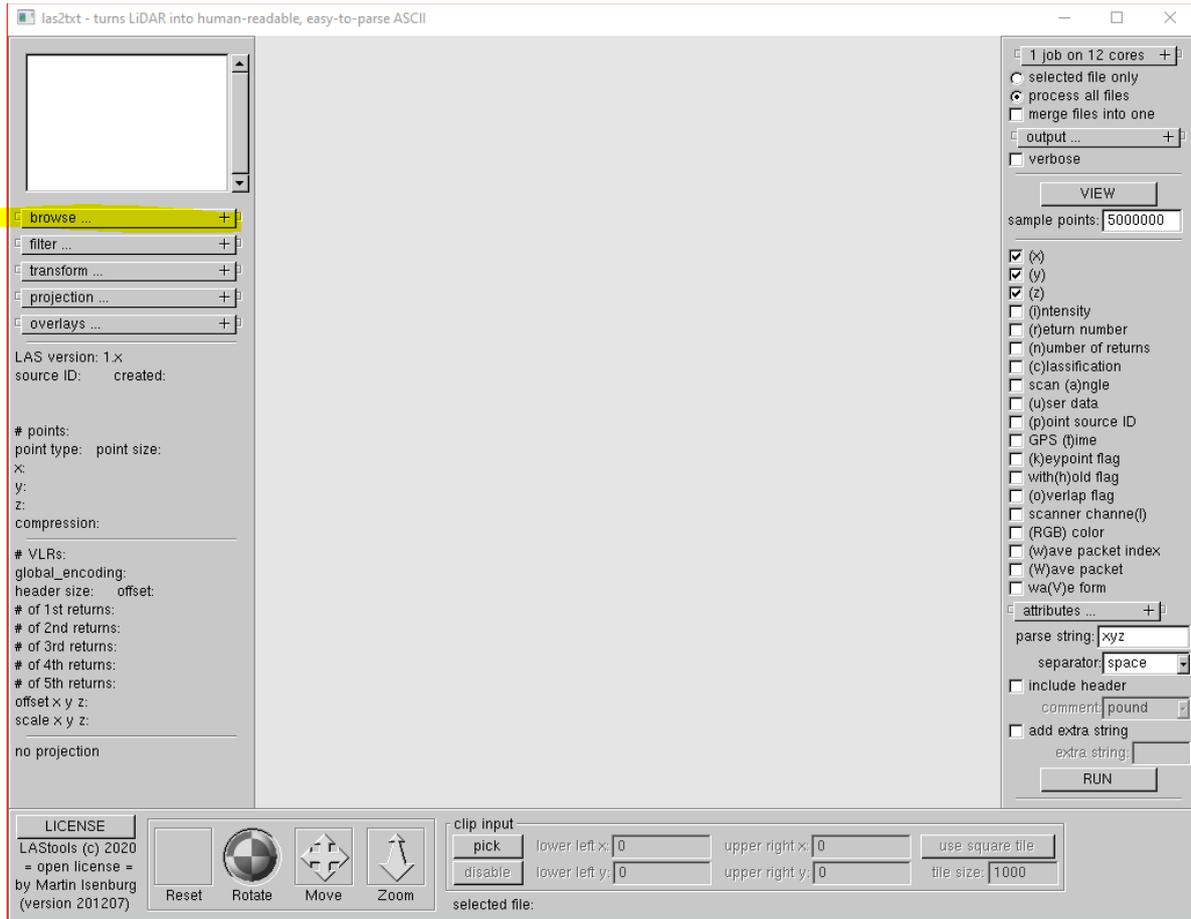
LAStools can be downloaded from [http:// lastools.org](http://lastools.org)

1. To convert a .laz file to a .txt file, navigate to the folder where las2txt is on your computer and double click on las2txt to run. A form will be displayed a shown below.

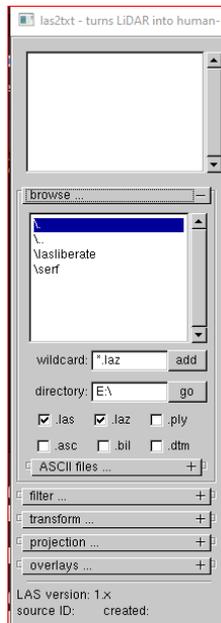


# Using LAStools

2. Select **Browse** as shown below



3. The left hand side of the form will now look like this

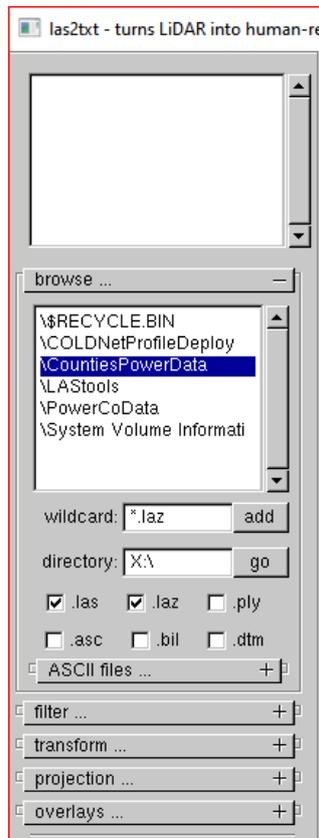


## Using LAStools

- To navigate to a different drive enter the drive letter into the textbox as shown below. You must include the “:\” characters in the string you enter. Press the **go** button



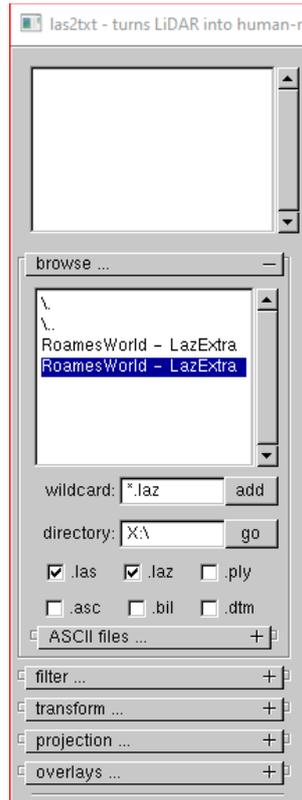
- You can then click on a line in the displayed list area to move to that folder as shown below



- Use this list to find the file that you wish to convert.  
Notes Any line that start with a “\” means that it is a folder.

## Using LAStools

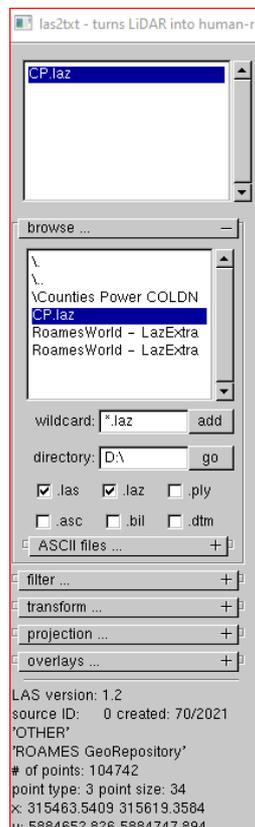
7. The image below shows a typical view of folder



The line "\." Means move to the previous level folder on the drive.

**NOTE: The window is quite small so you cannot see long file names.**

8. Double click on the files you wish to process so that they are written into the top area as shown below.

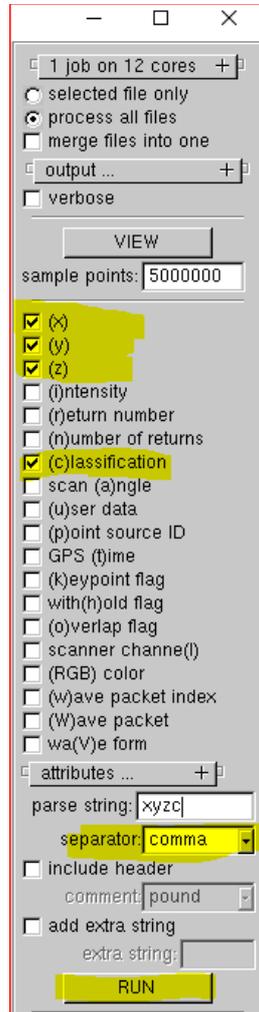


## Using LAStools

9. On the right hand side of the window make sure you have the fields ticked as shown below.

These fields are (x), (y), (z) and (c)lassification. Also ensure that you have selected **comma** as the separator.

Then press **RUN**.



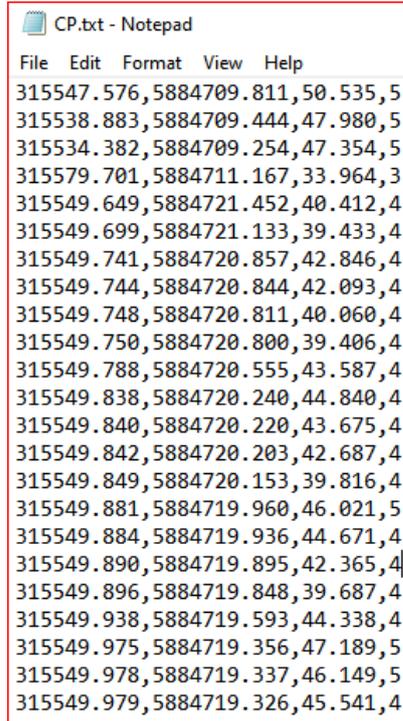
10. You will then see a new form displayed which will look something like this. Press the **Start** button.



The window will disappear, and your file will have been created in the same directory as the source file that was specified with the file extension .txt

## Using LAStools

The output file will look something like this



```
CP.txt - Notepad
File Edit Format View Help
315547.576,5884709.811,50.535,5
315538.883,5884709.444,47.980,5
315534.382,5884709.254,47.354,5
315579.701,5884711.167,33.964,3
315549.649,5884721.452,40.412,4
315549.699,5884721.133,39.433,4
315549.741,5884720.857,42.846,4
315549.744,5884720.844,42.093,4
315549.748,5884720.811,40.060,4
315549.750,5884720.800,39.406,4
315549.788,5884720.555,43.587,4
315549.838,5884720.240,44.840,4
315549.840,5884720.220,43.675,4
315549.842,5884720.203,42.687,4
315549.849,5884720.153,39.816,4
315549.881,5884719.960,46.021,5
315549.884,5884719.936,44.671,4
315549.890,5884719.895,42.365,4
315549.896,5884719.848,39.687,4
315549.938,5884719.593,44.338,4
315549.975,5884719.356,47.189,5
315549.978,5884719.337,46.149,5
315549.979,5884719.326,45.541,4
```

The file is now ready for importing into COLDNet Profile