

OLaser version 1.4. News?



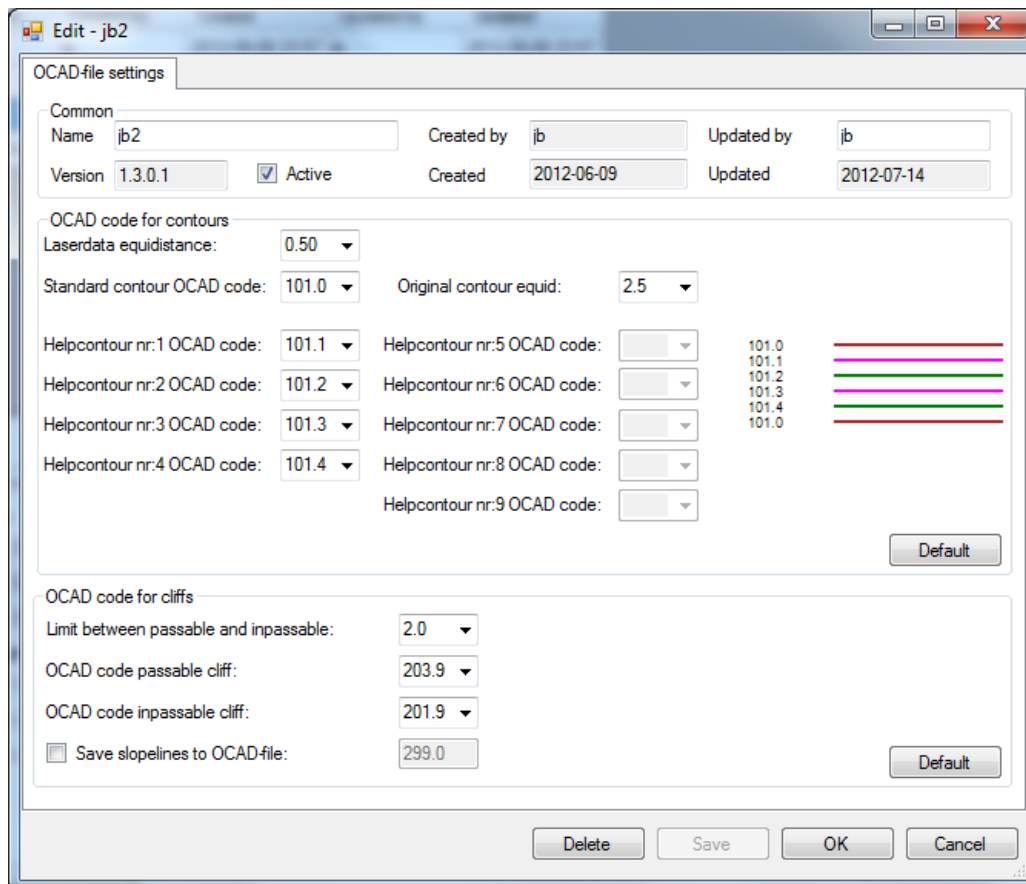
Supports file format .laz and .rar

LAZ is a new file format developed by Martin Isenburg. LAZ compresses ordinary LAS files down to 20% size. Finland's equivalent of the Land Survey delivers laser data only in this format. You can read more about the format and other tools Martin has developed here <http://www.cs.unc.edu/~isenburg/>.

RAR is a format much the same as a ZIP. It can include more than one file. OLaser supports RAR when it includes one LAS file.

OCAD file settings

Similar as settings for the map objects and images are now also settings for OCAD files made under menu "Maintenance".

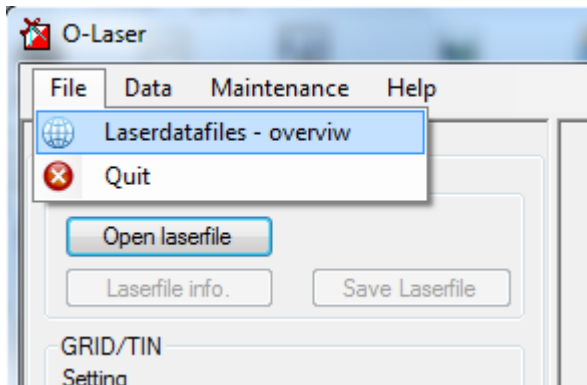


The screenshot shows a dialog box titled "OCAD-file settings" with a tab labeled "Edit - jb2". The dialog is divided into several sections:

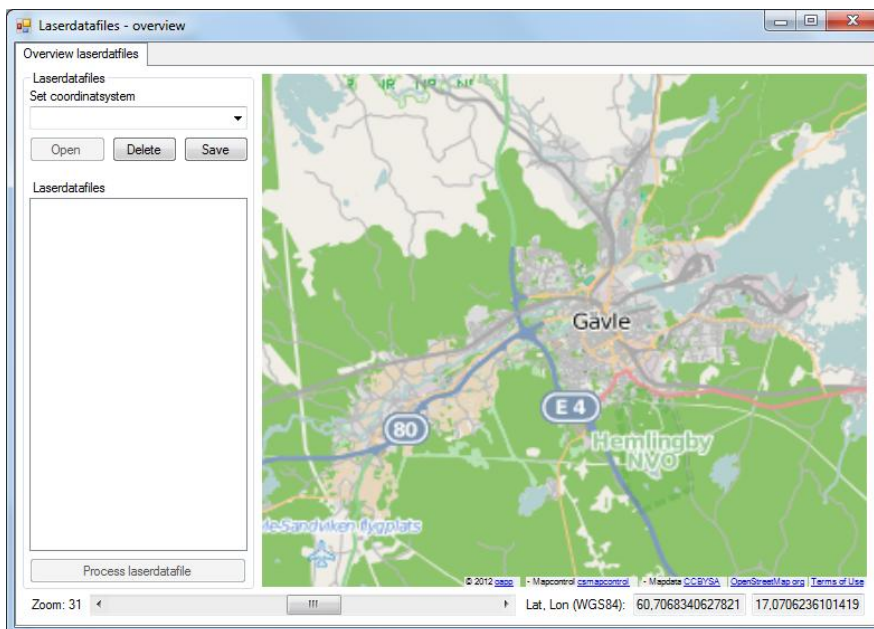
- Common:** Fields for Name (jb2), Created by (jb), Updated by (jb), Version (1.3.0.1), Active (checked), Created (2012-06-09), and Updated (2012-07-14).
- OCAD code for contours:** Includes "Laserdata equidistance" (0.50), "Standard contour OCAD code" (101.0), and "Original contour equid" (2.5). It also has fields for Helpcontour nr:1 through nr:9, each with an OCAD code dropdown. A legend on the right shows colored lines for codes 101.0 (red), 101.1 (magenta), 101.2 (green), 101.3 (cyan), 101.4 (blue), and 101.0 (red).
- OCAD code for cliffs:** Includes "Limit between passable and impassable" (2.0), "OCAD code passable cliff" (203.9), "OCAD code impassable cliff" (201.9), and a checkbox for "Save slopelines to OCAD-file" (299.0).

Buttons at the bottom include "Delete", "Save", "OK", "Cancel", and "Default" (two instances).

Laserdatafiles – overview

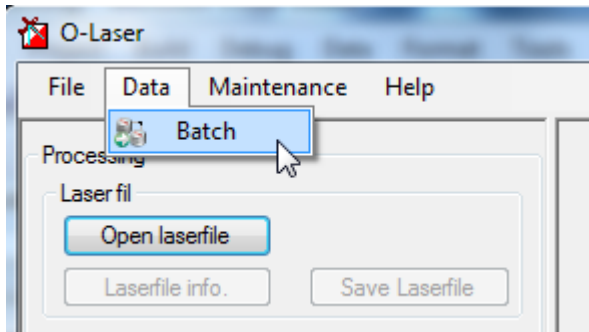


A new feature in version 1.4 is the possibility to view all your laserdata files on a map. It can be hard to collect the right file only with the file names as identifier. You start the feature from main menu "File – Laserdatafiles - overview". The map in the background is taken from "OpenStreet" map. So this function needs an internet connection to function fully.



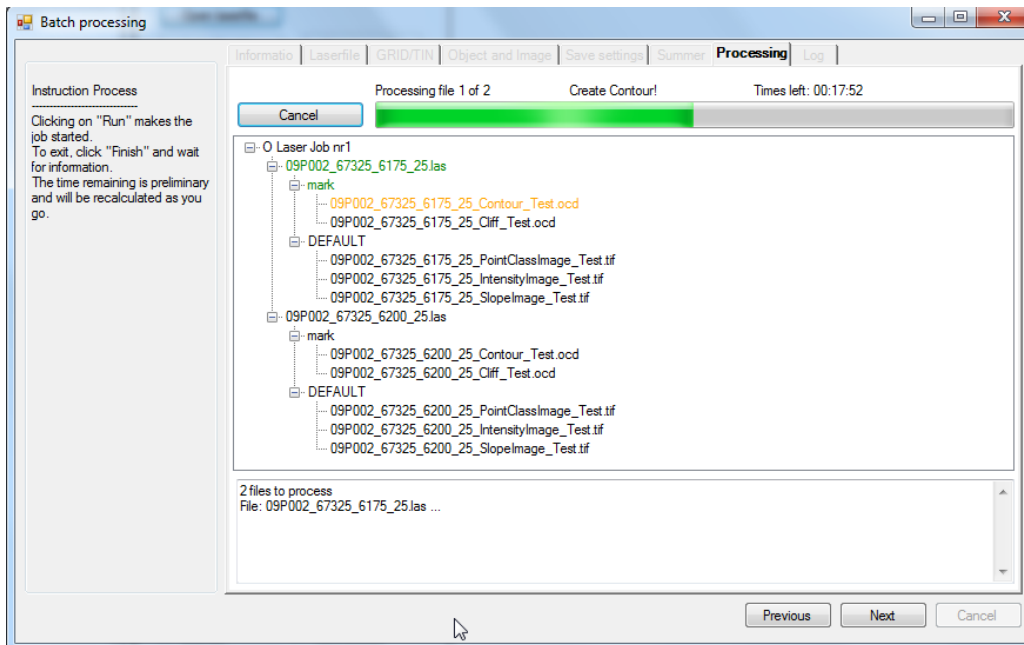
Before you open your files you have to set your files coordinate system. As you know it's a huge bunch of coordinate system out there. If you don't find what you are looking for or that your files is drawn wrong, feel free to inform me and I may correct it immediately.

Batch processing



A new feature is the possibility to process many files in a batch. Start it from main menu "Data – Batch".

This function is designed as a "Wizard". You need to go through a number of steps and do some settings before you are ready for the batch processing.



Corrections (some examples).

Remove the "outliers" (extreme intensity values).

Bugg when defining a new extent and then save to new .las file.

Asc files my come in many different formats. I tried to support all the different varieties.

Error when import of system settings.

Error when trying to look at the intensity distribution when the file where missing that information .

Better support for different .grd varieties.

Failure when filtration/outsorting and save to .las file.