



Geo-LAS Software

Geo-LAS is Geo-info's proprietary software for Lidar data pre-processing. It creates LAS format data using raw laser data and POS data.

Geo-LAS Software Features:

- ✓ Geo-LAS is highly unified, easy to operate, intelligent and accurate.
- ✓ Geo-LAS is compatible with all kinds of scanners. Laser configuration section is specially designed to suit this need.
- ✓ Geo-LAS accepts input of any industry standard GPS/INU data and raw laser data.
- ✓ Geo-LAS allows user to modify laser data output format. Data is output to ASPRS LAS format version 1.2 in any user defined Cartesian coordinate system.
- ✓ Geo-LAS automatically records sensor calibration and it may be recalled for future processing of the same sensor.

Geo-LAS Operation:

Configure laser scanner, input all information required as shown below, click 'process', Las format data will be created. Geo-LAS is simpler, more efficient than the other las data generating software available in the market.

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GeoLAS V 1.1

NAV Frame	Scanner	IMU	Trans (m)	IMU	Body	Boresight (deg)
☒ ENU ☐ NED	X = X Y = -Y Z = -Z	X -Y -Z	-0.0076 0.037 -0.1666	X = X Y = Z Z = -Y	X Z -Y	Roll 0.145 Pitch 0 Heading 0

POS Time Offset
Range Gate(m) —
Angle Gate(deg) —

Open POS File

Open RXP File(s)

E:\GeoLAS_V1.1_TestData\RT_14July2017\20170714131123\raw\laser\170714_051405.rxp
E:\GeoLAS_V1.1_TestData\RT_14July2017\20170714131123\raw\laser\170714_051642.rxp
E:\GeoLAS_V1.1_TestData\RT_14July2017\20170714131123\raw\laser\170714_052807.rxp

Opened Settings file : E:\GeoLAS_V1.1_TestData\RT_14July2017\20170714131123\LAS\0\170714_051405_settings.xml
Opened POS file : E:\GeoLAS_V1.1_TestData\RT_14July2017\20170714131123\raw\GPS\14July.pos
Records read from POS file : 262376
Start POS time : 19123
End POS time : 21222
Total POS secs : 2099
Navigation Frame : ENU

Read TimeList
Processing 170714_051405.RXP with POS file: E:\GeoLAS_V1.1_TestData\RT_14July2017\20170714131123\raw\GPS\14July.pos
Processed 500000 points
Processed 1000000 points
Processed 1500000 points

Read Config
☒ RGB Laser
Process
Cancel