

NORTH CAROLINA GEODETIC SURVEY

Claude T Bowers Building
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Project Information

Prepared By: Watson Ross
Project Name: 2016 LiDAR Phase 4 QC
Sensor Info: GmAPD Geiger-mode
Required Nominal Pulse Spacing: 0.35
Vendor Name: Harris
Units: US Survey Feet
Percent of Extent Tolerance: Extents Not Checked
Date of Aquisition: Start: 2/27/2016 Finish: 4/17/2016

Metadata Information

Tile Index:

Filename: gaston_tiles.shp
Number of Polys: 0

Intensity:

Tile Index Attribute: Not Specified
Data Filename: Not Specified
Number of Data Files Matching Attribute: Not Specified

DEM:

Tile Index Attribute: Not Specified
Data Filename: Not Specified
Number of Data Files Matching Attribute: Not Specified

LAS:

Tile Index Attribute: las_tile
Data Filename: QL1
Number of Data Files Matching Attribute: 1613 out of 1613





LiDAR Accuracy Assessment Summary

LC Type	# of Points	NVA	VVA	
LAS				
2B	20	0.288		
2H	44		0.431	
2L	23		0.604	
2M	22		0.591	
2U	74	0.378		
Total	183			

Units: US Survey Feet

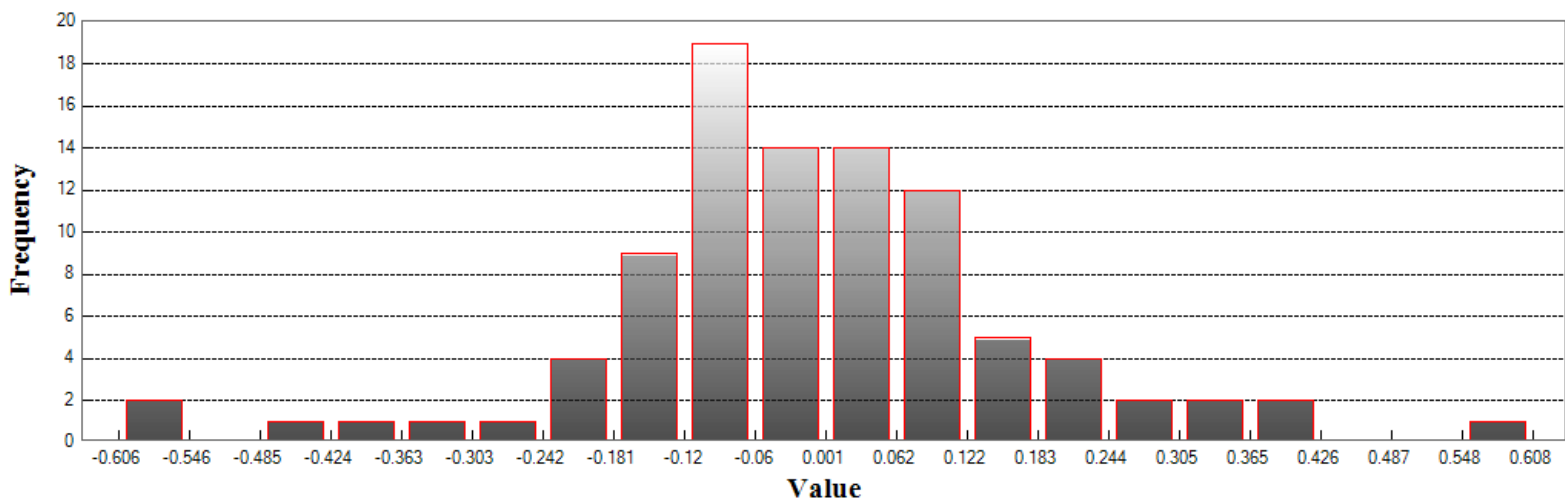


LAS

Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U
Minimum DZ: -0.606
Maximum DZ: 0.609
Mean DZ: -0.01
Mean Magnitude DZ: 0.365
Number Observations: 94
Standard Deviation DZ: 0.185
RMSE Z: 0.184
95% Confidence Level Z: 0.361
Units: US Survey Feet

Histogram



Min: -0.606
Max: 0.609
Number Of Bins: 20
Bin Interval: 0.061

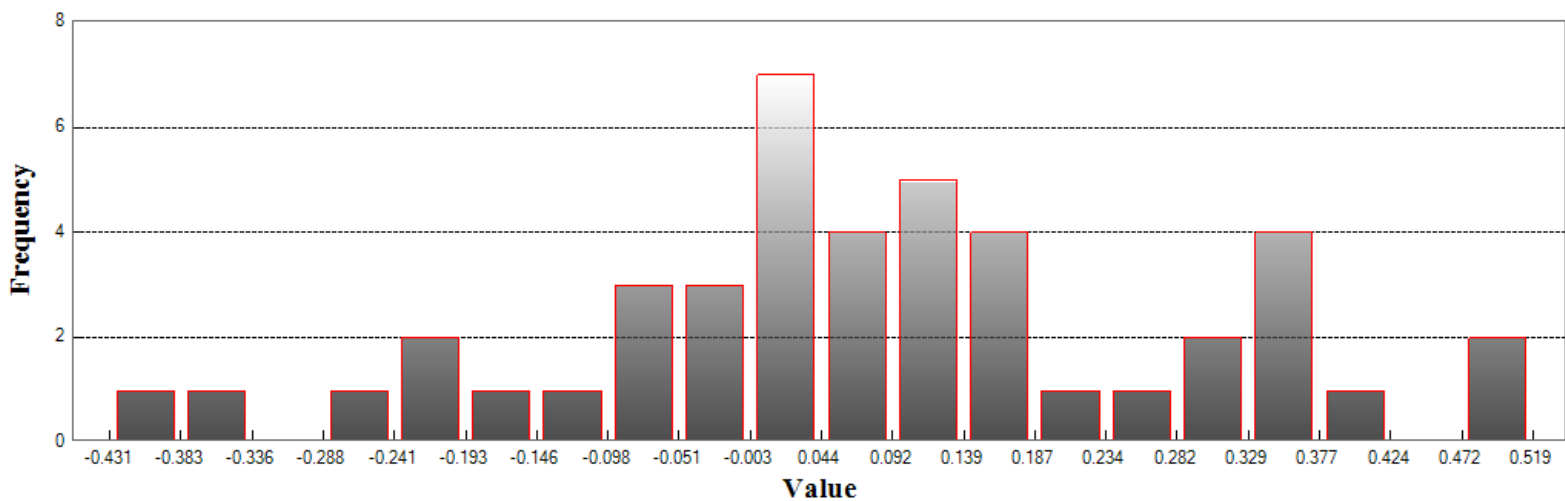


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2H
Minimum DZ: -0.431
Maximum DZ: 0.519
Mean DZ: 0.078
Mean Magnitude DZ: 0.418
Number Observations: 44
Standard Deviation DZ: 0.215
RMSE Z: 0.226
95th Percentile: 0.431
Units: US Survey Feet

Histogram



Min: -0.431
Max: 0.519
Number Of Bins: 20
Bin Interval: 0.048

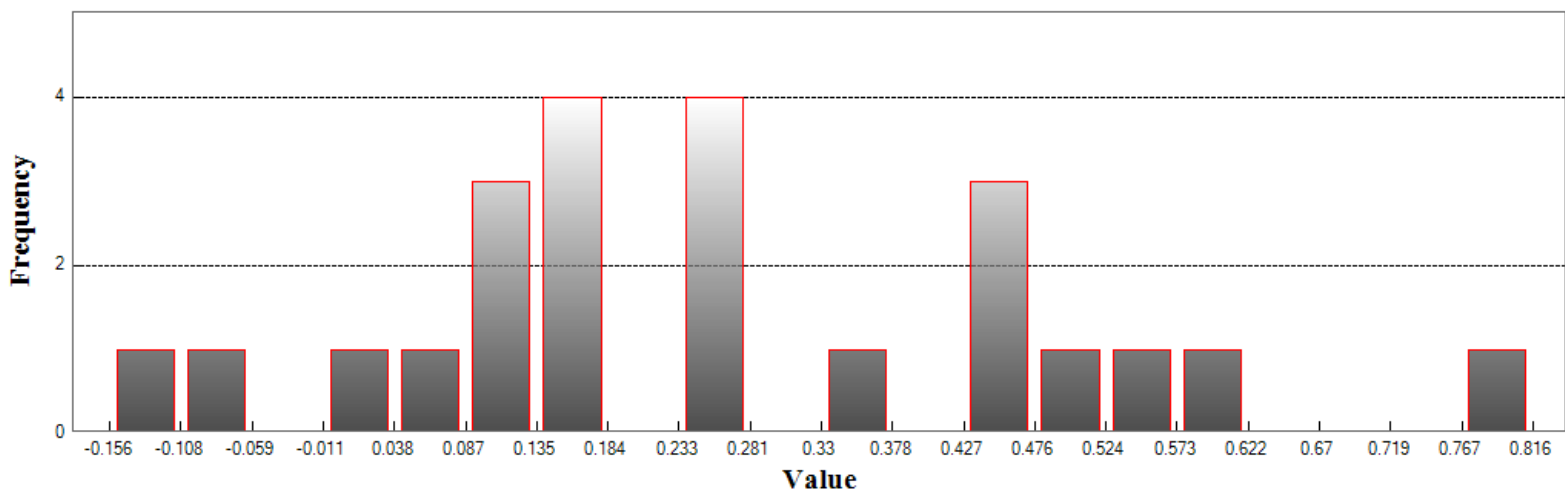


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2L
Minimum DZ: -0.156
Maximum DZ: 0.816
Mean DZ: 0.263
Mean Magnitude DZ: 0.533
Number Observations: 23
Standard Deviation DZ: 0.232
RMSE Z: 0.347
95th Percentile: 0.604
Units: US Survey Feet

Histogram



Min: -0.156
Max: 0.816
Number Of Bins: 20
Bin Interval: 0.049

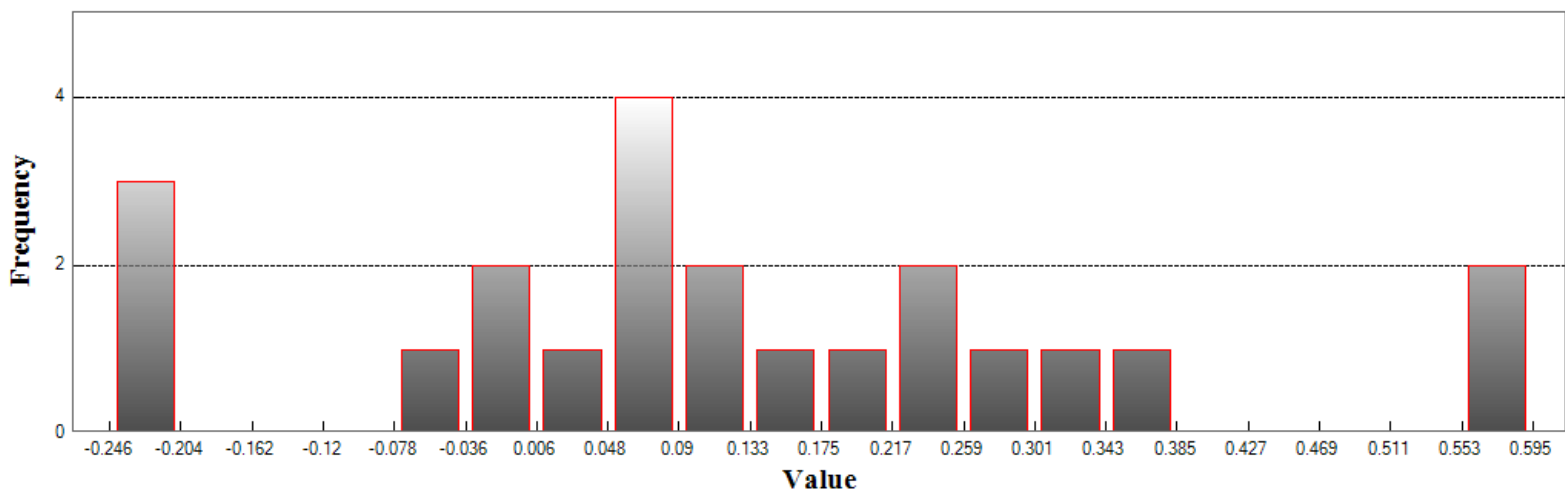


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2M
Minimum DZ: -0.246
Maximum DZ: 0.595
Mean DZ: 0.124
Mean Magnitude DZ: 0.438
Number Observations: 22
Standard Deviation DZ: 0.225
RMSE Z: 0.252
95th Percentile: 0.591
Units: US Survey Feet

Histogram



Min: -0.246
Max: 0.595
Number Of Bins: 20
Bin Interval: 0.042