

NORTH CAROLINA GEODETIC SURVEY

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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: stanly_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: 2533 out of 2533

LAS:

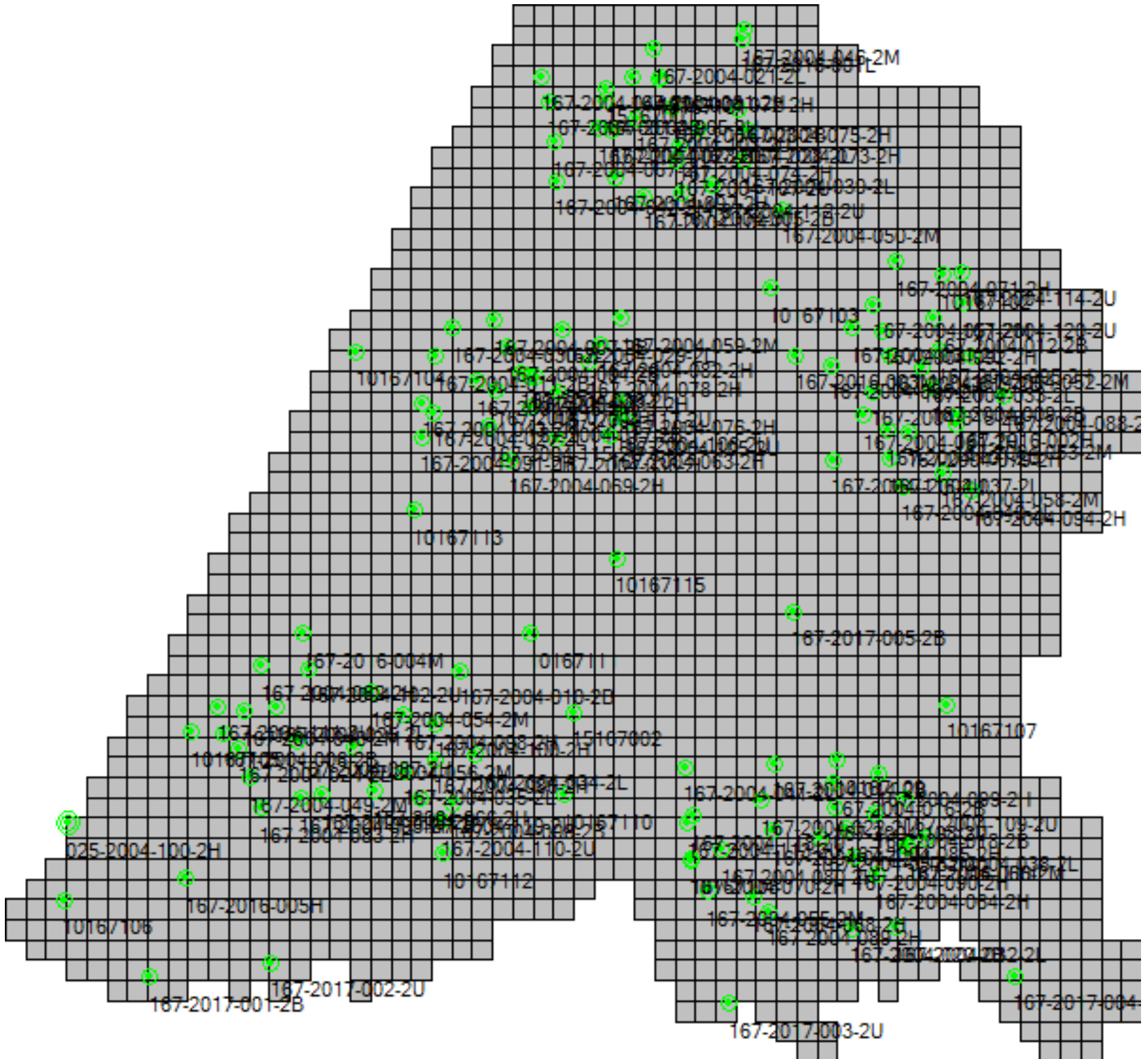
Tile Index Attribute: las_tile

Data Filename: QL1

Number of Data Files Matching Attribute: 1890 out of 1890



Tiled-Data Area





LiDAR Accuracy Assessment Summary

LC Type	# of Points	NVA	VVA	
LAS				
2B	23	0.468		
2H	43		0.758	
2L	23		0.791	
2M	21		0.770	
2U	39	0.452		
Total	149			

Units: US Survey Feet

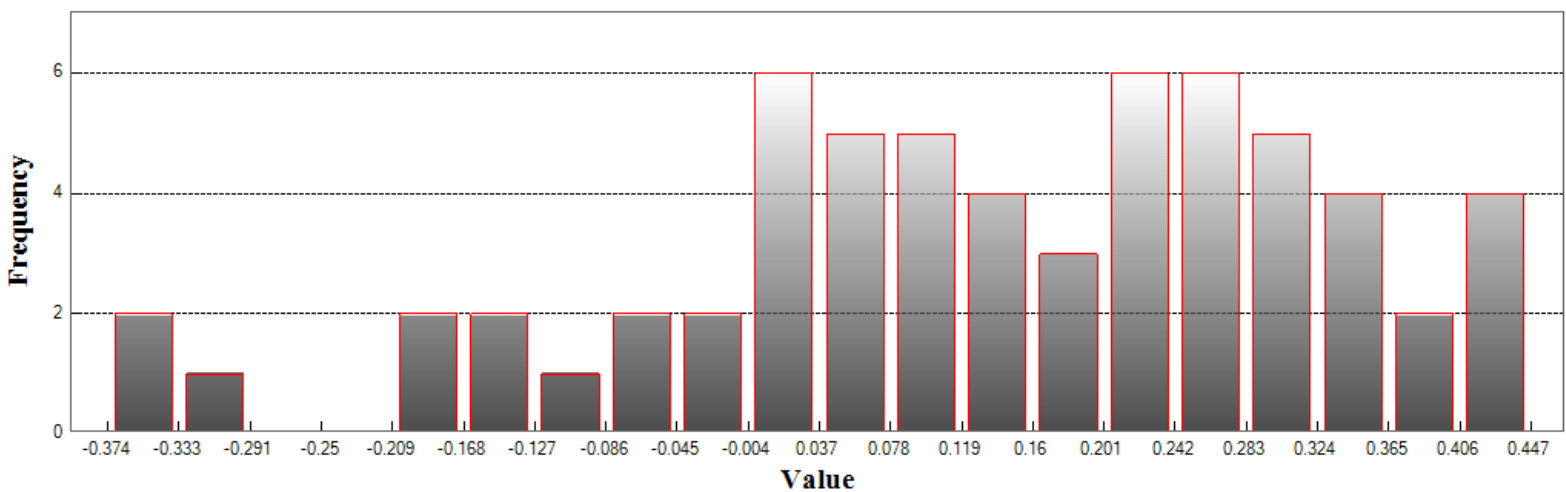


LAS

Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U
Minimum DZ: -0.374
Maximum DZ: 0.446
Mean DZ: 0.133
Mean Magnitude DZ: 0.442
Number Observations: 62
Standard Deviation DZ: 0.194
RMSE Z: 0.234
95% Confidence Level Z: 0.458
Units: US Survey Feet

Histogram



Min: -0.374
Max: 0.446
Number Of Bins: 20
Bin Interval: 0.041

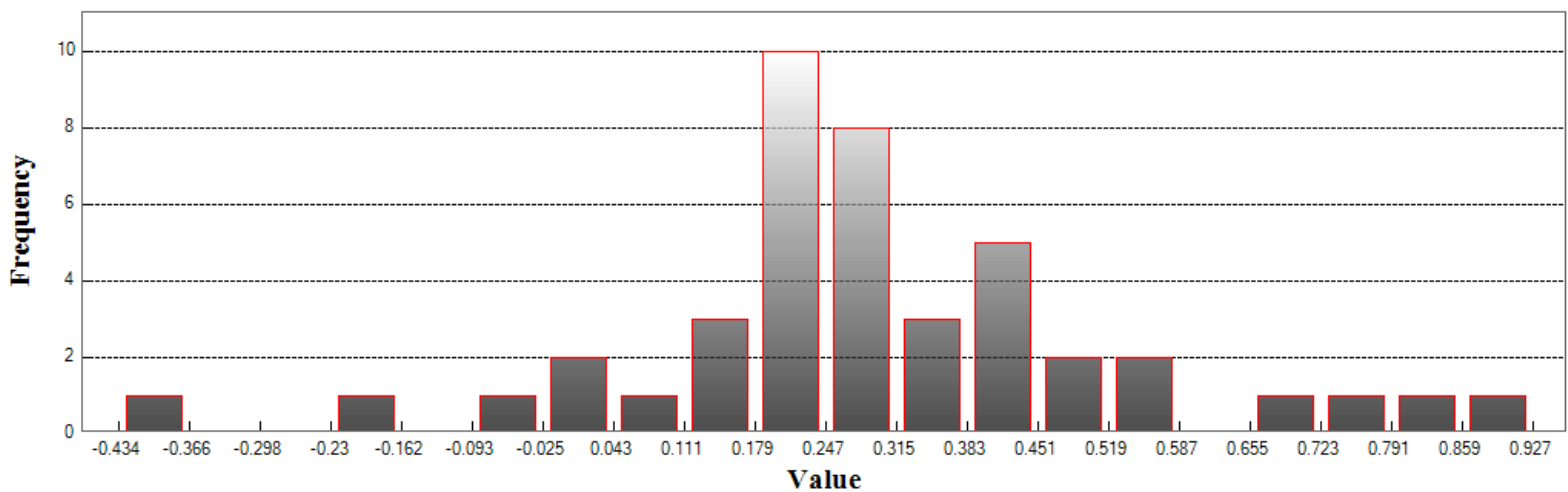


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2H
Minimum DZ: -0.434
Maximum DZ: 0.927
Mean DZ: 0.301
Mean Magnitude DZ: 0.577
Number Observations: 43
Standard Deviation DZ: 0.249
RMSE Z: 0.389
95th Percentile: 0.758
Units: US Survey Feet

Histogram



Min: -0.434
Max: 0.927
Number Of Bins: 20
Bin Interval: 0.068

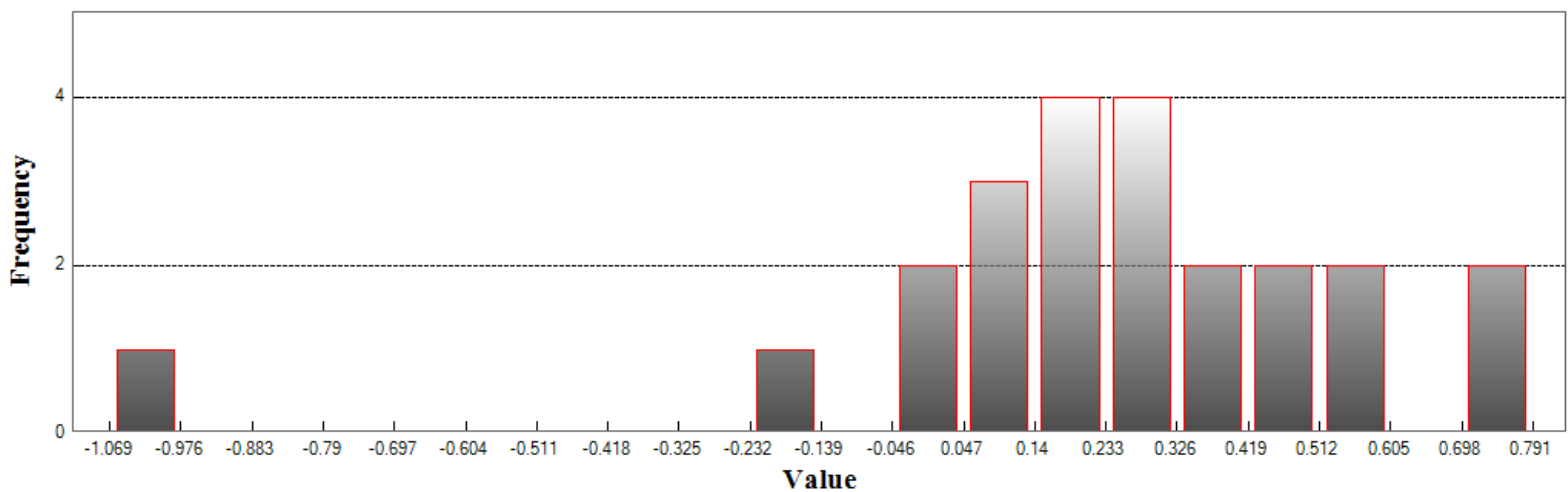


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2L
Minimum DZ: -1.068
Maximum DZ: 0.791
Mean DZ: 0.229
Mean Magnitude DZ: 0.58
Number Observations: 23
Standard Deviation DZ: 0.37
RMSE Z: 0.428
95th Percentile: 0.791
Units: US Survey Feet

Histogram



Min: -1.068

Max: 0.791

Number Of Bins: 20

Bin Interval: 0.093

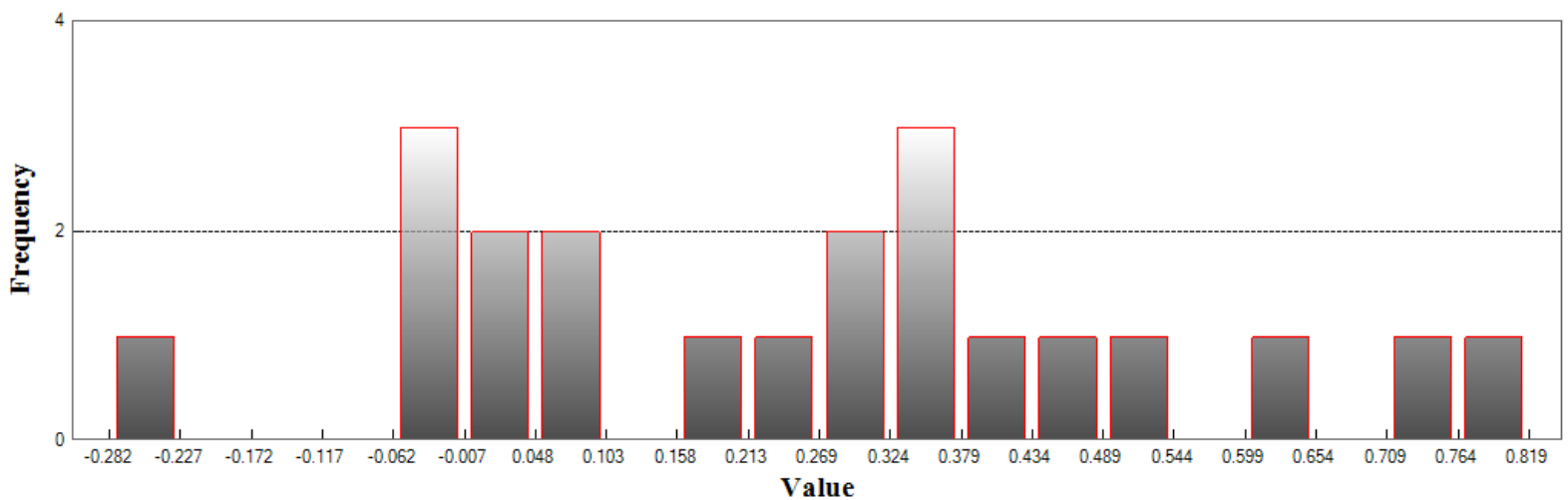


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2M
Minimum DZ: -0.282
Maximum DZ: 0.819
Mean DZ: 0.257
Mean Magnitude DZ: 0.541
Number Observations: 21
Standard Deviation DZ: 0.281
RMSE Z: 0.376
95th Percentile: 0.77
Units: US Survey Feet

Histogram



Min: -0.282
Max: 0.819
Number Of Bins: 20
Bin Interval: 0.055