

## 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

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## Metadata Information

### Tile Index:

Filename: wilkes\_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:

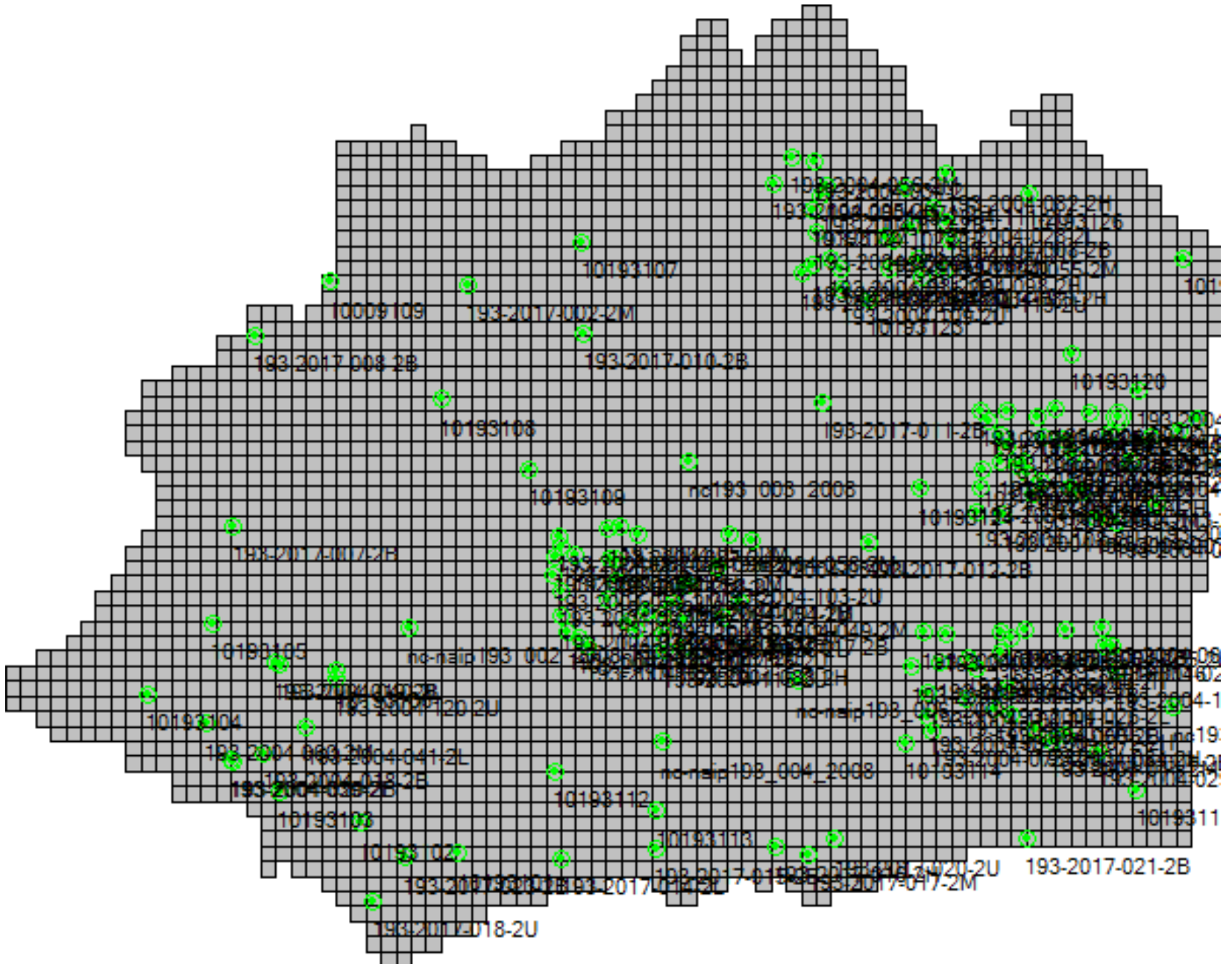
Tile Index Attribute: las\_tile

Data Filename: QL1

Number of Data Files Matching Attribute: 2165 out of 2165



## Tiled-Data Area





LiDAR Accuracy Assessment Summary

LC Type	# of Points	NVA	VVA	
LAS				
2B	28	0.612		
2H	40		0.617	
2L	22		0.568	
2M	21		0.785	
2U	52	0.500		
Total	163			

Units: US Survey Feet

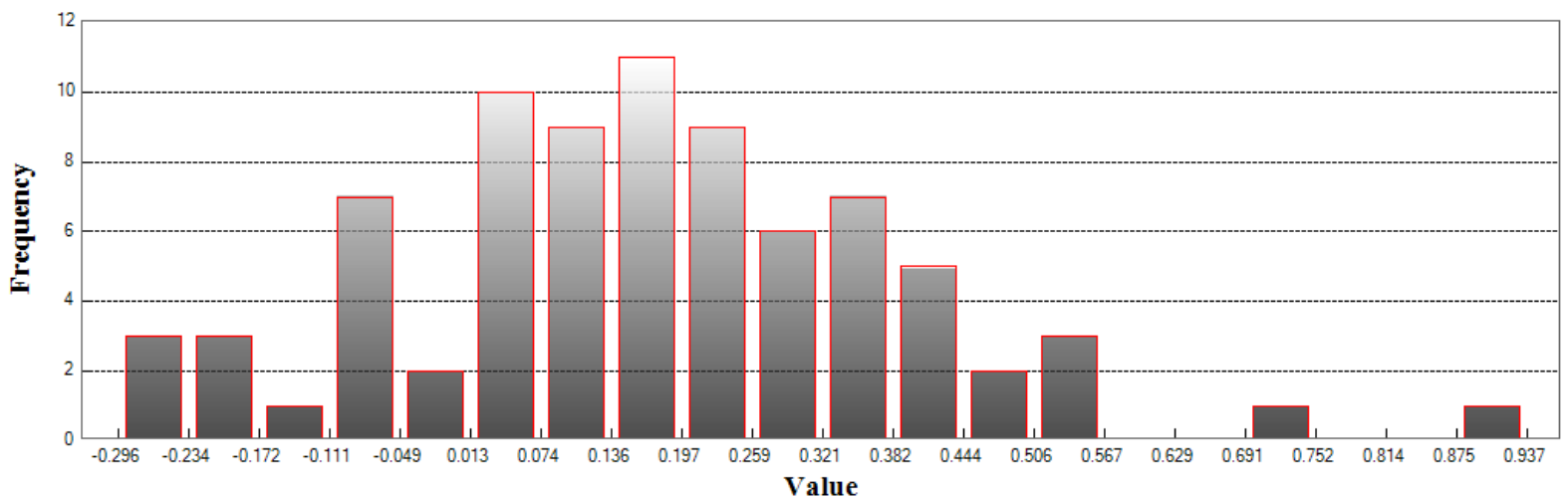


# LAS

## Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U  
Minimum DZ: -0.296  
Maximum DZ: 0.937  
Mean DZ: 0.167  
Mean Magnitude DZ: 0.47  
Number Observations: 80  
Standard Deviation DZ: 0.221  
RMSE Z: 0.276  
95% Confidence Level Z: 0.542  
Units: US Survey Feet

# Histogram



Min: -0.296  
Max: 0.937  
Number Of Bins: 20  
Bin Interval: 0.062

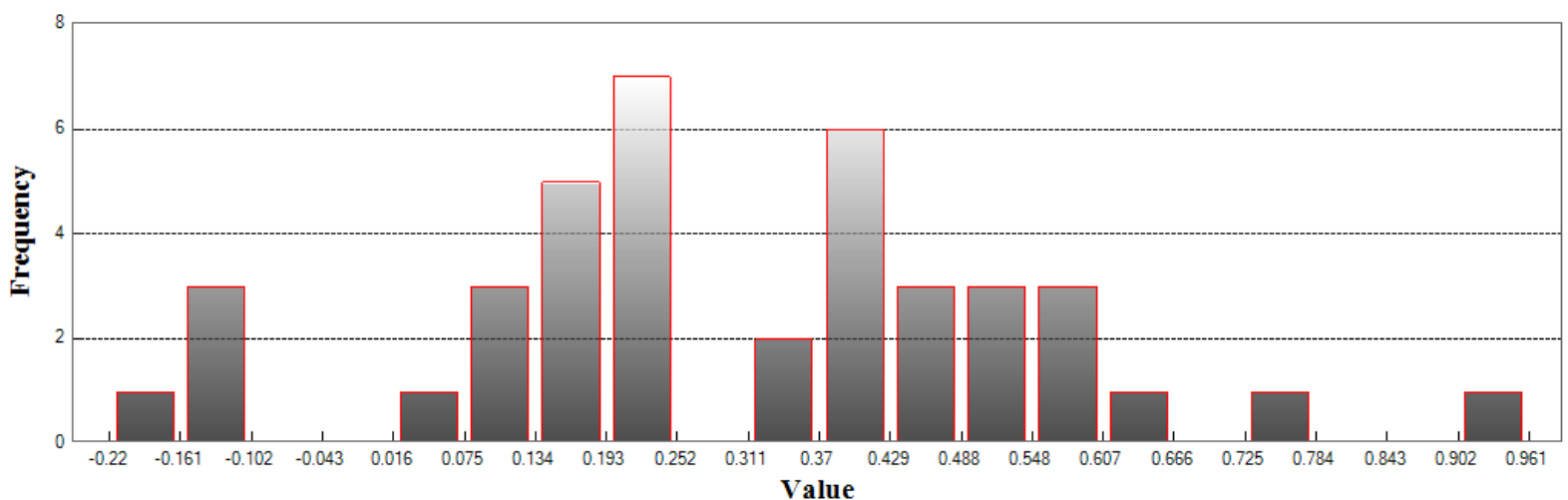


## LAS (Continued)

### Vegetated Vertical Accuracy

LandCover Type: 2H  
Minimum DZ: -0.221  
Maximum DZ: 0.96  
Mean DZ: 0.302  
Mean Magnitude DZ: 0.576  
Number Observations: 40  
Standard Deviation DZ: 0.247  
RMSE Z: 0.388  
95th Percentile: 0.617  
Units: US Survey Feet

## Histogram



Min: -0.221

Max: 0.96

Number Of Bins: 20

Bin Interval: 0.059

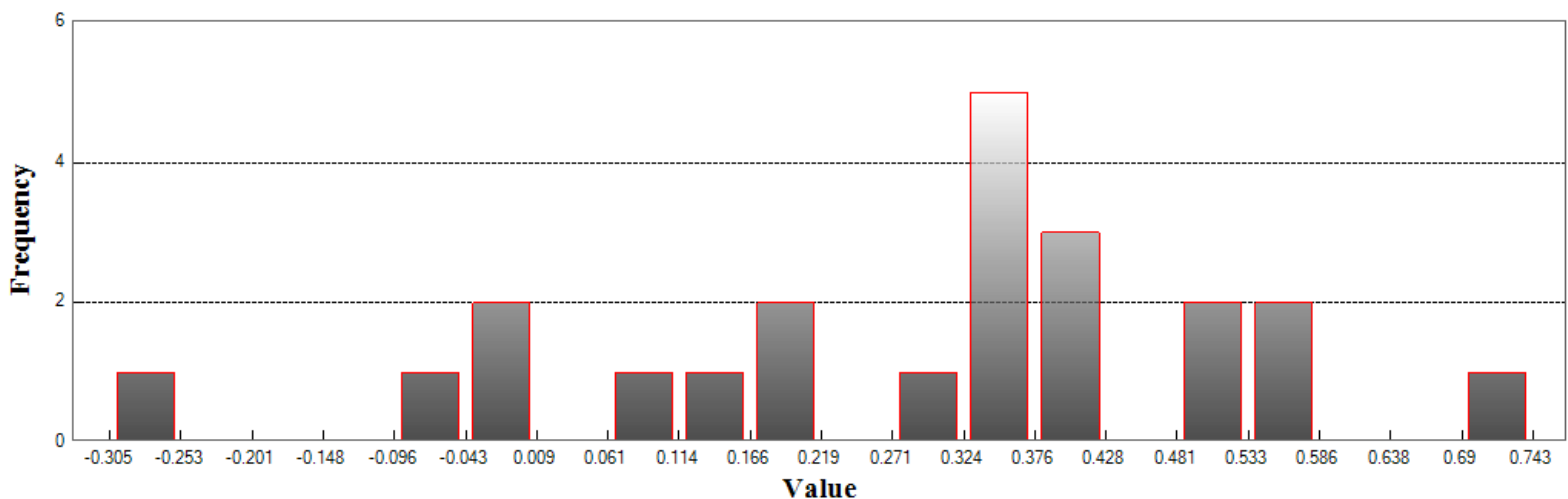


## LAS (Continued)

### Vegetated Vertical Accuracy

LandCover Type: 2L  
Minimum DZ: -0.305  
Maximum DZ: 0.743  
Mean DZ: 0.288  
Mean Magnitude DZ: 0.573  
Number Observations: 22  
Standard Deviation DZ: 0.247  
RMSE Z: 0.375  
95th Percentile: 0.568  
Units: US Survey Feet

## Histogram



Min: -0.305  
Max: 0.743  
Number Of Bins: 20  
Bin Interval: 0.052

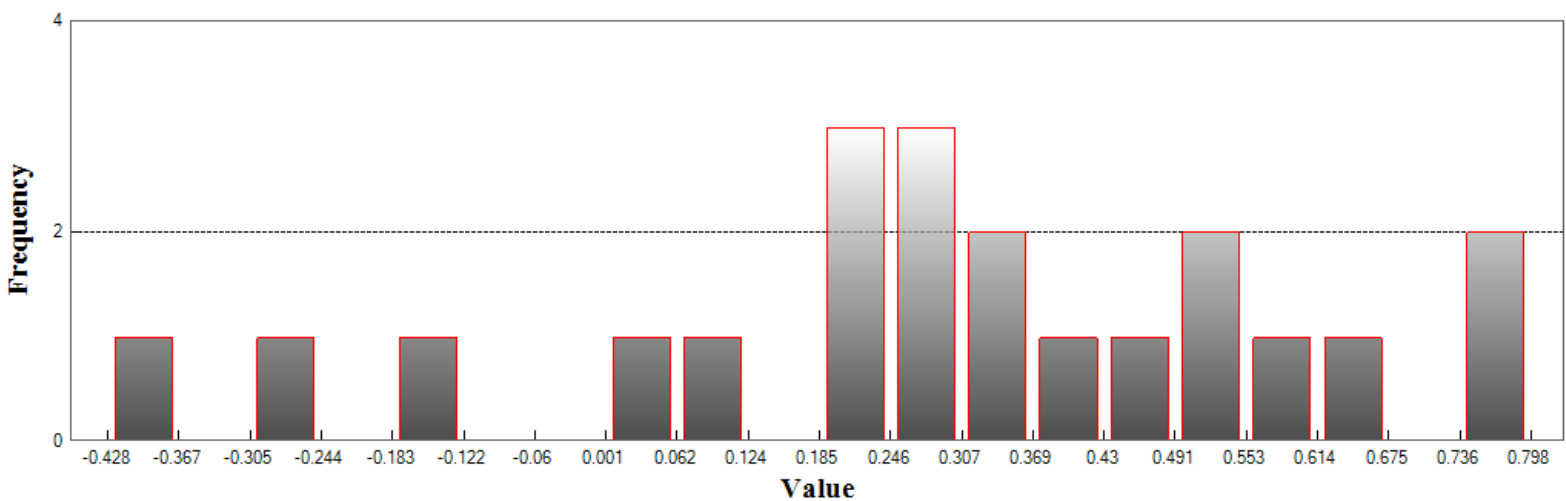


## LAS (Continued)

### Vegetated Vertical Accuracy

LandCover Type: 2M  
Minimum DZ: -0.428  
Maximum DZ: 0.797  
Mean DZ: 0.29  
Mean Magnitude DZ: 0.608  
Number Observations: 21  
Standard Deviation DZ: 0.316  
RMSE Z: 0.423  
95th Percentile: 0.785  
Units: US Survey Feet

## Histogram



Min: -0.428

Max: 0.797

Number Of Bins: 20

Bin Interval: 0.061