

## 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 Prelim  
Sensor Info: NA  
Required Nominal Pulse Spacing: 0.7  
Vendor Name: Unknown  
Units: US Survey Feet  
Percent of Extent Tolerance: Extents Not Checked  
Date of Aquisition: Start: 4/24/2017 Finish: 4/24/2017

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## Metadata Information

### Tile Index:

Filename: anson\_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: Tile\_Name

Data Filename: 10\_FT

Number of Data Files Matching Attribute: 2527 out of 2527

### LAS:

Tile Index Attribute:

Data Filename:

Number of Data Files Matching Attribute: 0 out of 0





LiDAR Accuracy Assessment Summary

LC Type	# of Points	NVA	VVA	
DEM				
2B	30	0.579		
2H	40		0.942	
2L	24		0.654	
2M	23		0.735	
2U	67	0.557		
Total	184			

Units: US Survey Feet



## DEM

### Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U

Minimum DZ: -0.391

Maximum DZ: 0.924

Mean DZ: 0.128

Mean Magnitude DZ: 0.465

Number Observations: 97

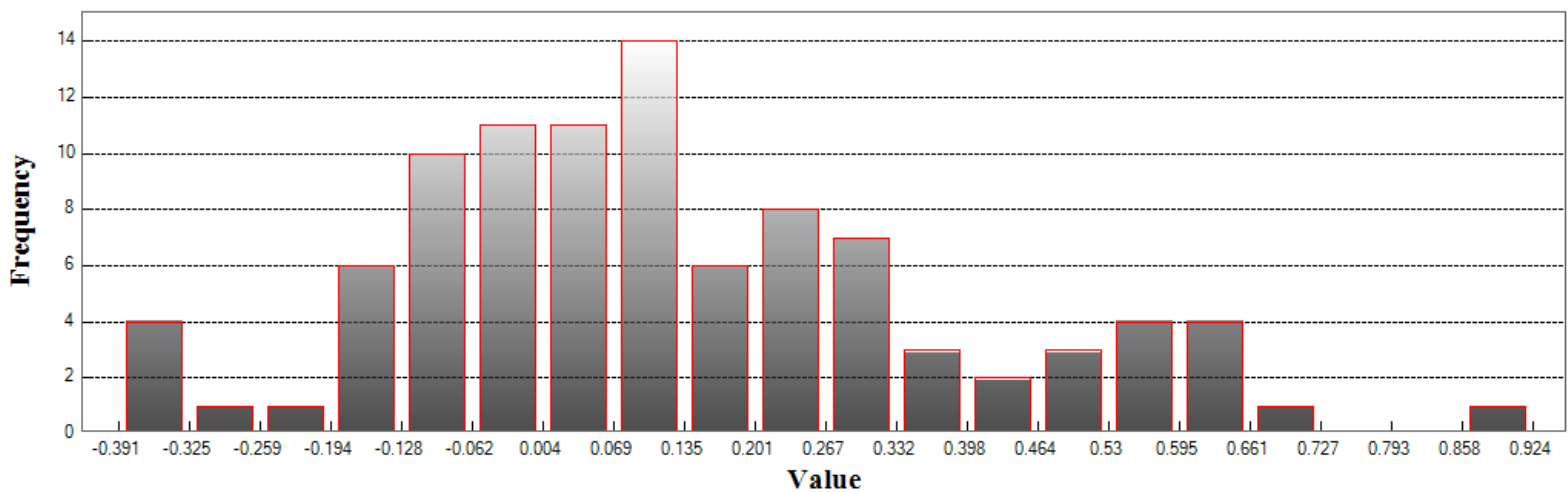
Standard Deviation DZ: 0.259

RMSE Z: 0.288

95% Confidence Level Z: 0.564

Units: US Survey Feet

## Histogram



Min: -0.391

Max: 0.924

Number Of Bins: 20

Bin Interval: 0.066

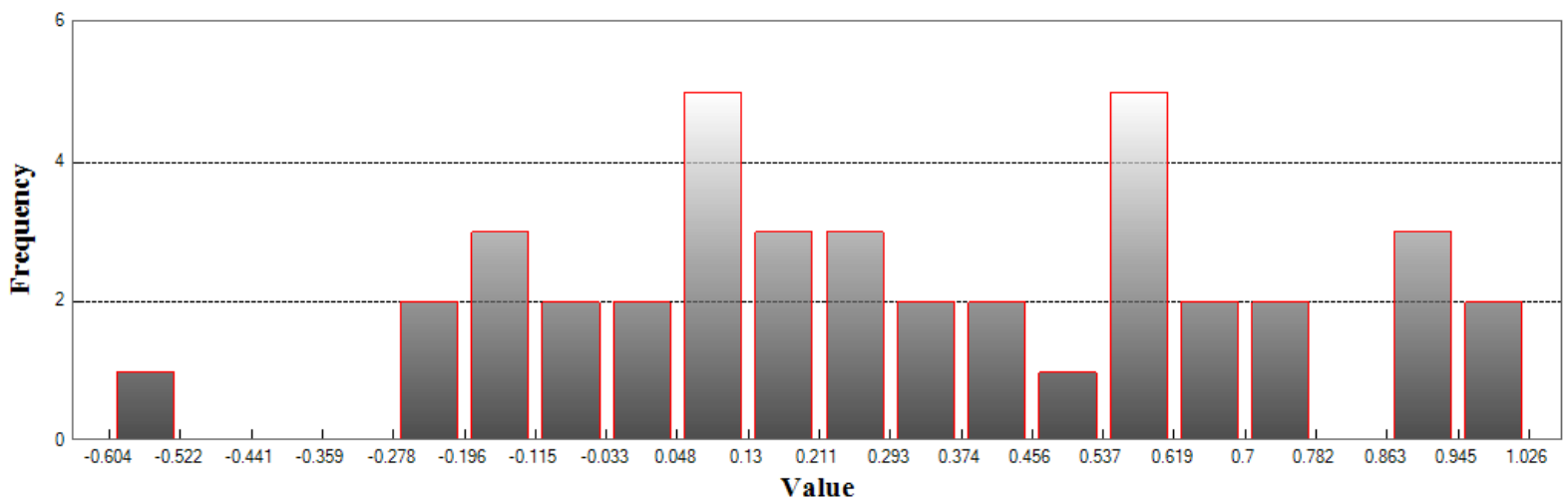


## DEM (Continued)

### Vegetated Vertical Accuracy

LandCover Type: 2H  
Minimum DZ: -0.604  
Maximum DZ: 1.026  
Mean DZ: 0.307  
Mean Magnitude DZ: 0.632  
Number Observations: 40  
Standard Deviation DZ: 0.395  
RMSE Z: 0.496  
95th Percentile: 0.942  
Units: US Survey Feet

## Histogram



Min: -0.604

Max: 1.026

Number Of Bins: 20

Bin Interval: 0.082

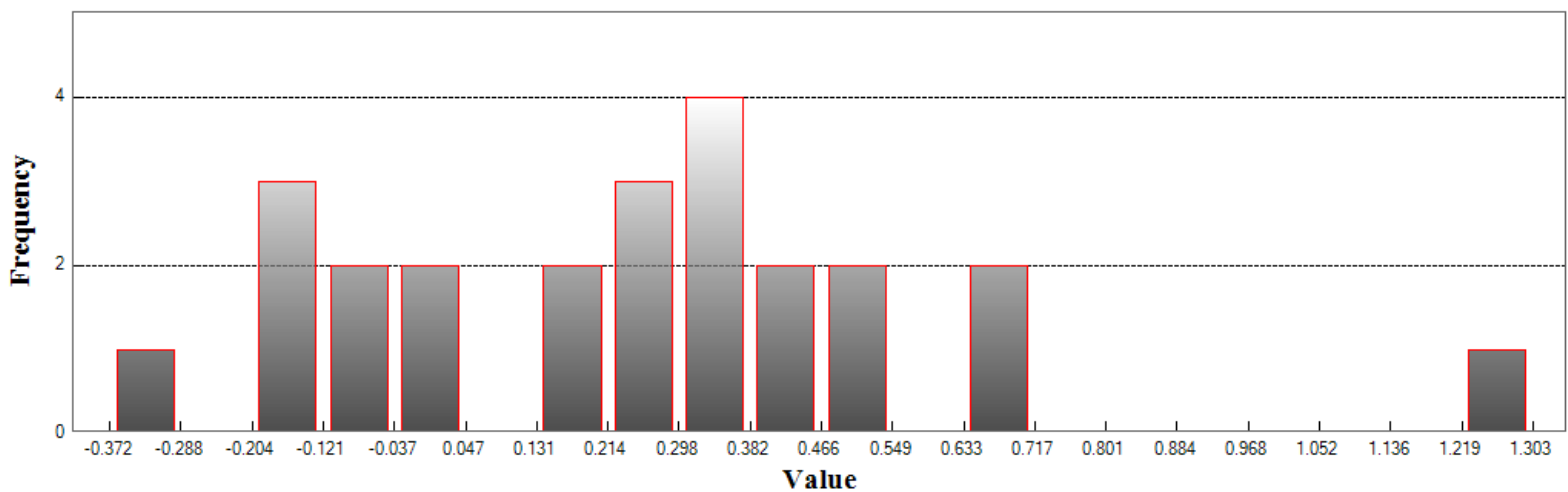


## DEM (Continued)

### Vegetated Vertical Accuracy

LandCover Type: 2L  
Minimum DZ: -0.372  
Maximum DZ: 1.303  
Mean DZ: 0.246  
Mean Magnitude DZ: 0.579  
Number Observations: 24  
Standard Deviation DZ: 0.355  
RMSE Z: 0.426  
95th Percentile: 0.654  
Units: US Survey Feet

## Histogram



Min: -0.372

Max: 1.303

Number Of Bins: 20

Bin Interval: 0.084

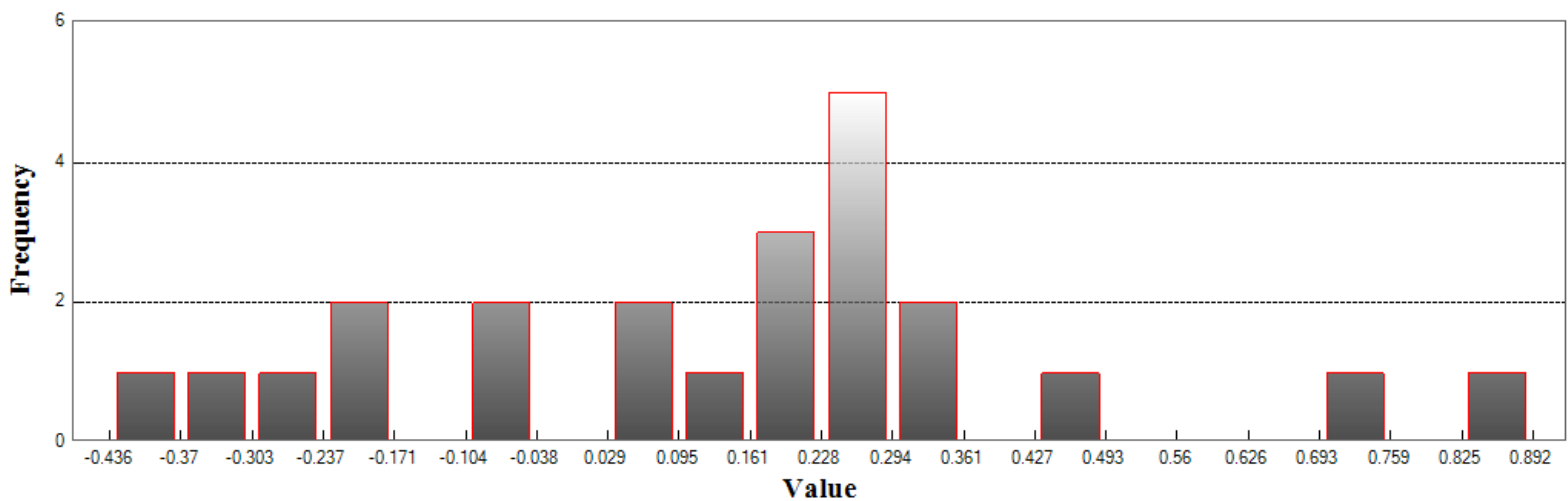


## DEM (Continued)

### Vegetated Vertical Accuracy

LandCover Type: 2M  
Minimum DZ: -0.436  
Maximum DZ: 0.892  
Mean DZ: 0.145  
Mean Magnitude DZ: 0.523  
Number Observations: 23  
Standard Deviation DZ: 0.312  
RMSE Z: 0.338  
95th Percentile: 0.735  
Units: US Survey Feet

## Histogram



Min: -0.436

Max: 0.892

Number Of Bins: 20

Bin Interval: 0.066