

NORTH CAROLINA GEODETIC SURVEY

Claude T Bowers Building
4105 Reedy Creek Road
Raleigh, North Carolina 27607
(919)733-3836



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

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: 3.125_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	0.606		
2H	40		0.821	
2L	24		0.750	
2M	23		0.871	
2U	67	0.512		
Total	184			

Units: US Survey Feet



DEM

Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U

Minimum DZ: -0.428

Maximum DZ: 0.762

Mean DZ: 0.121

Mean Magnitude DZ: 0.458

Number Observations: 97

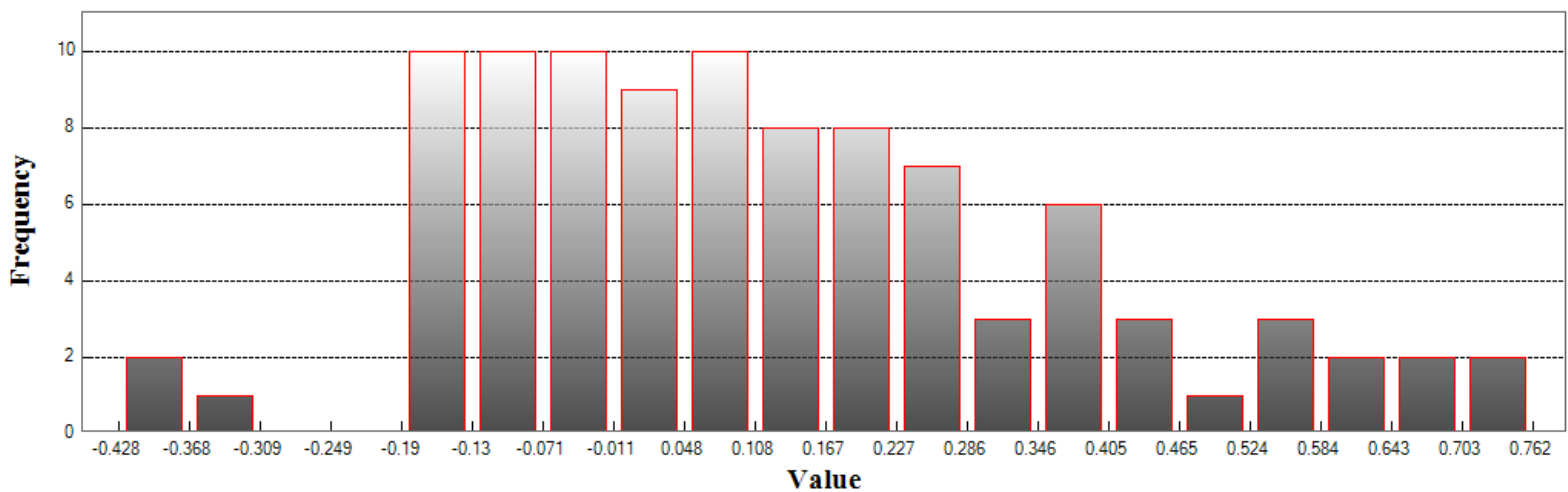
Standard Deviation DZ: 0.25

RMSE Z: 0.277

95% Confidence Level Z: 0.542

Units: US Survey Feet

Histogram



Min: -0.428

Max: 0.762

Number Of Bins: 20

Bin Interval: 0.059

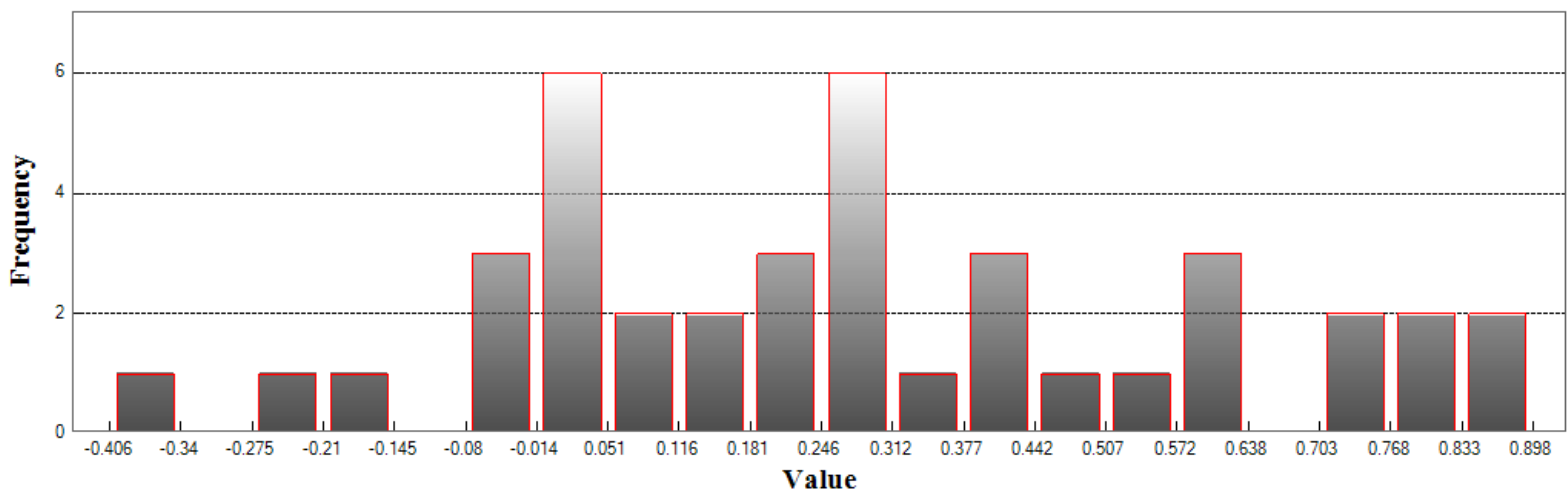


DEM (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2H
Minimum DZ: -0.406
Maximum DZ: 0.898
Mean DZ: 0.279
Mean Magnitude DZ: 0.57
Number Observations: 40
Standard Deviation DZ: 0.315
RMSE Z: 0.418
95th Percentile: 0.821
Units: US Survey Feet

Histogram



Min: -0.406

Max: 0.898

Number Of Bins: 20

Bin Interval: 0.065

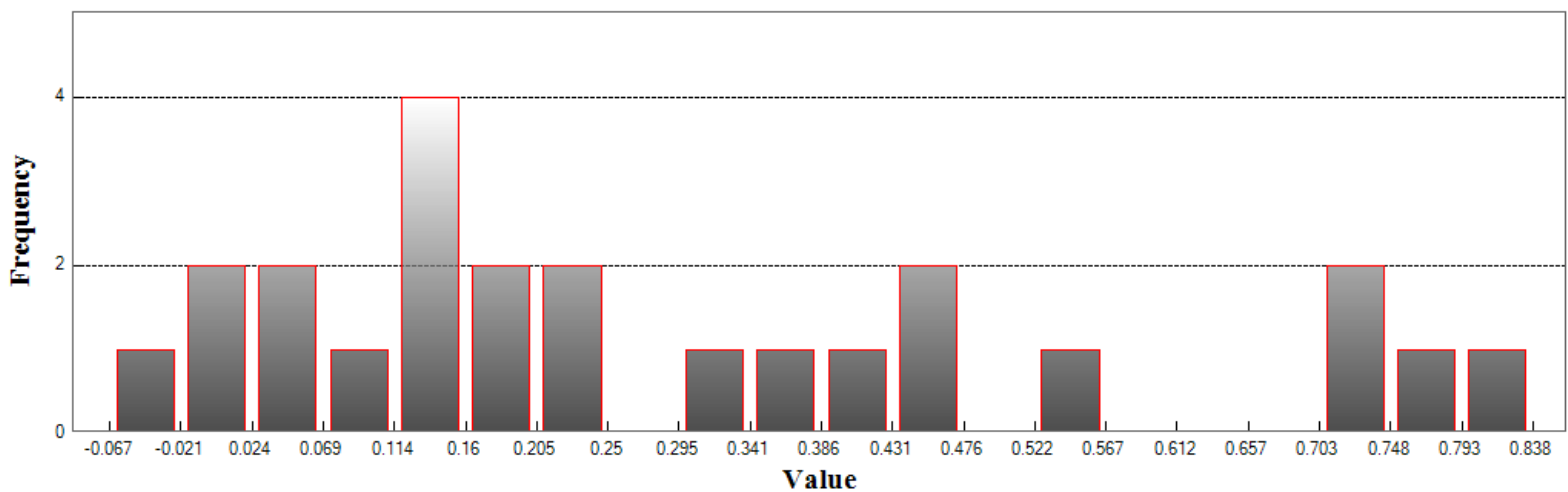


DEM (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2L
Minimum DZ: -0.067
Maximum DZ: 0.838
Mean DZ: 0.297
Mean Magnitude DZ: 0.55
Number Observations: 24
Standard Deviation DZ: 0.261
RMSE Z: 0.392
95th Percentile: 0.75
Units: US Survey Feet

Histogram



Min: -0.067

Max: 0.838

Number Of Bins: 20

Bin Interval: 0.045

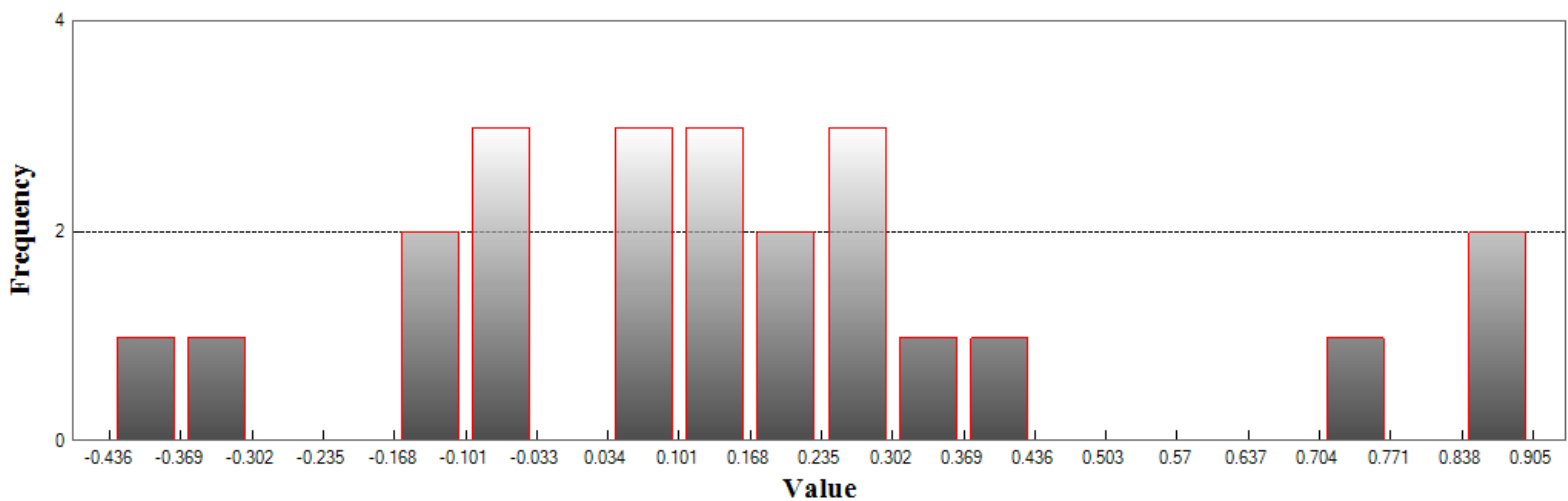


DEM (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2M
Minimum DZ: -0.436
Maximum DZ: 0.904
Mean DZ: 0.163
Mean Magnitude DZ: 0.514
Number Observations: 23
Standard Deviation DZ: 0.333
RMSE Z: 0.364
95th Percentile: 0.871
Units: US Survey Feet

Histogram



Min: -0.436

Max: 0.904

Number Of Bins: 20

Bin Interval: 0.067