

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
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: lincoln_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:

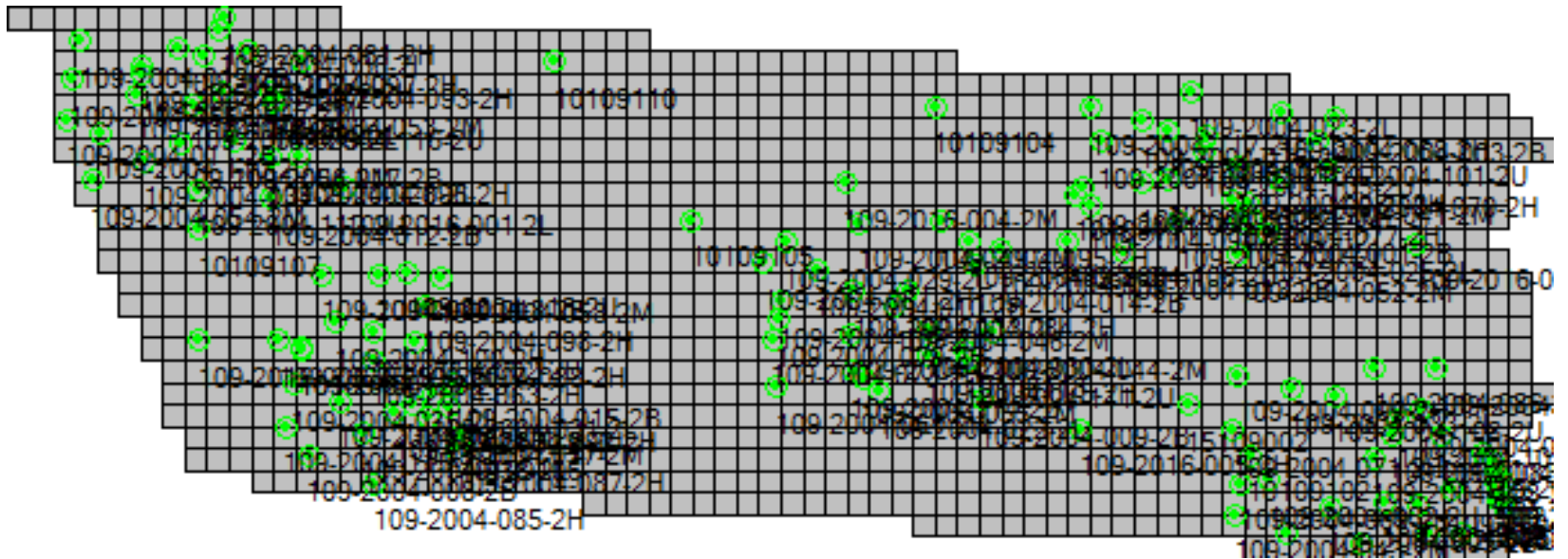
Tile Index Attribute: las_tile

Data Filename: Masspoints

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	26	0.359		
2H	41		0.656	
2L	21		0.390	
2M	21		0.357	
2U	37	0.348		
Total	146			

Units: US Survey Feet



LAS

Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U

Minimum DZ: -0.33

Maximum DZ: 0.555

Mean DZ: -0.008

Mean Magnitude DZ: 0.365

Number Observations: 63

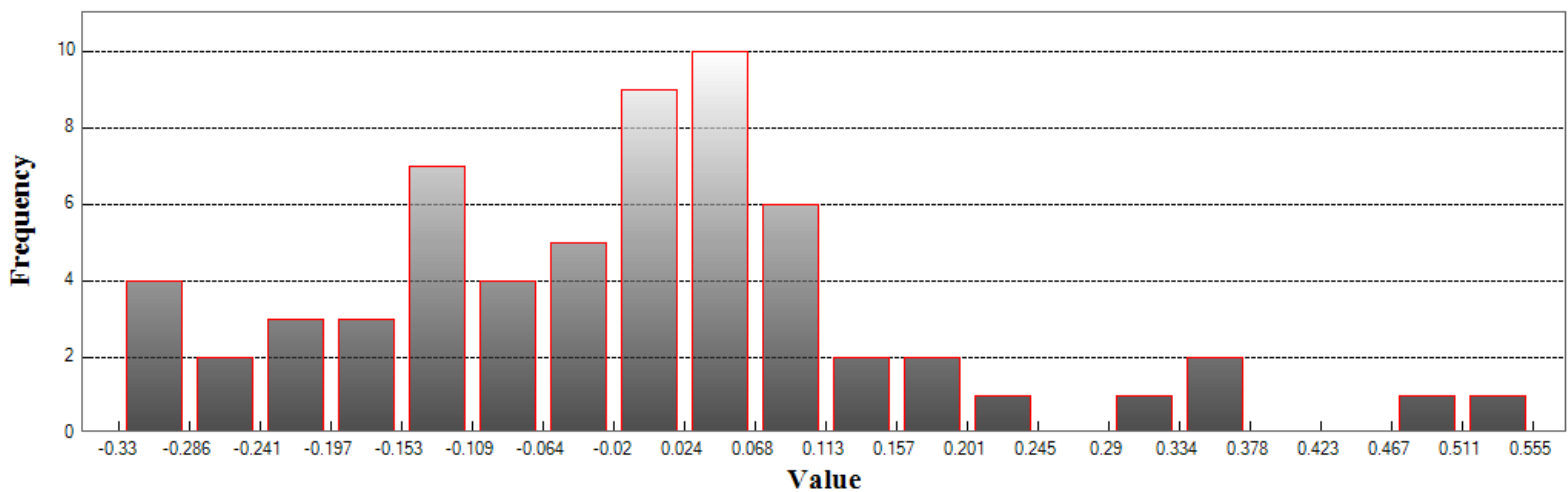
Standard Deviation DZ: 0.181

RMSE Z: 0.18

95% Confidence Level Z: 0.352

Units: US Survey Feet

Histogram



Min: -0.33

Max: 0.555

Number Of Bins: 20

Bin Interval: 0.044

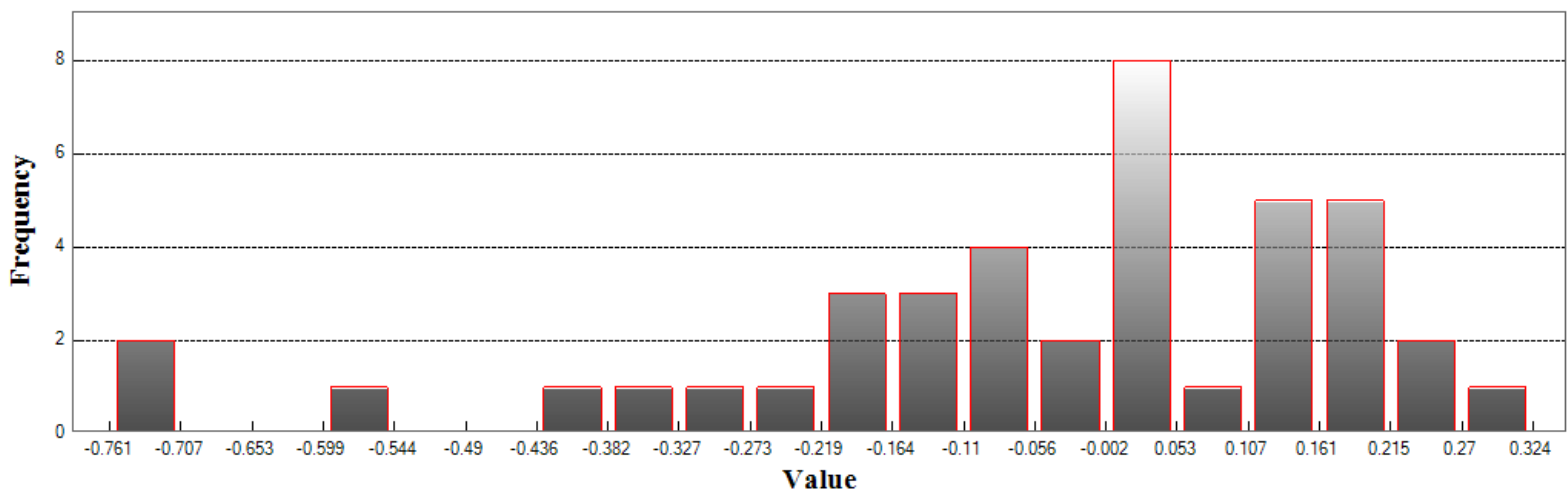


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2H
Minimum DZ: -0.761
Maximum DZ: 0.324
Mean DZ: -0.051
Mean Magnitude DZ: 0.425
Number Observations: 41
Standard Deviation DZ: 0.25
RMSE Z: 0.252
95th Percentile: 0.656
Units: US Survey Feet

Histogram



Min: -0.761

Max: 0.324

Number Of Bins: 20

Bin Interval: 0.054

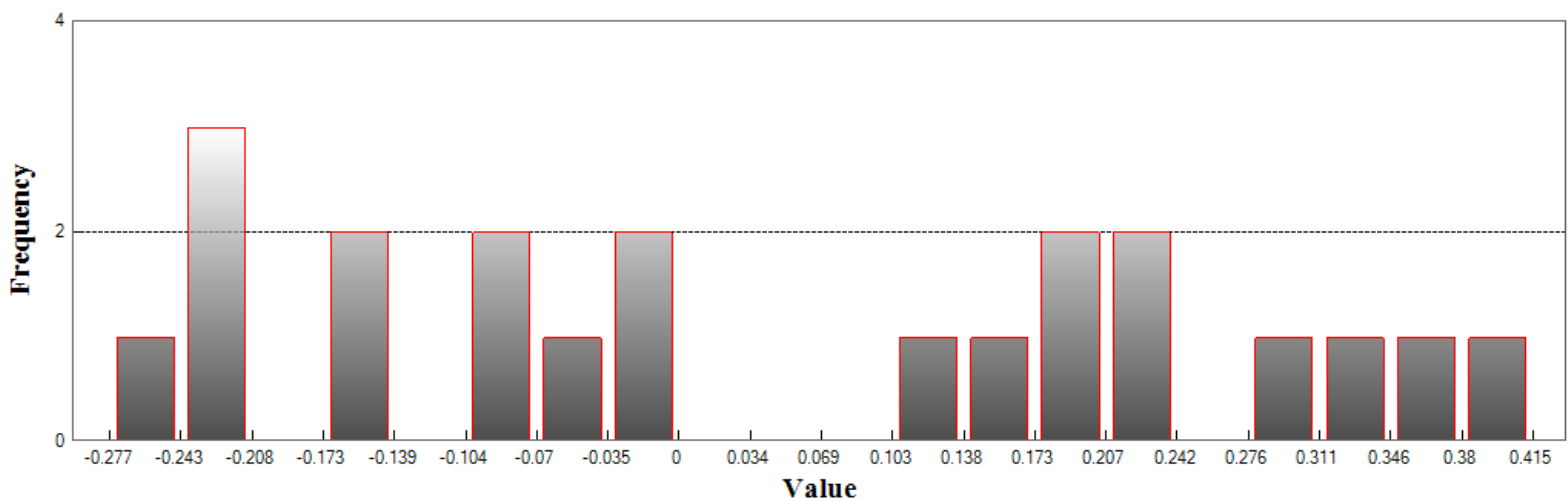


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2L
Minimum DZ: -0.277
Maximum DZ: 0.415
Mean DZ: 0.049
Mean Magnitude DZ: 0.44
Number Observations: 21
Standard Deviation DZ: 0.22
RMSE Z: 0.22
95th Percentile: 0.39
Units: US Survey Feet

Histogram



Min: -0.277

Max: 0.415

Number Of Bins: 20

Bin Interval: 0.035

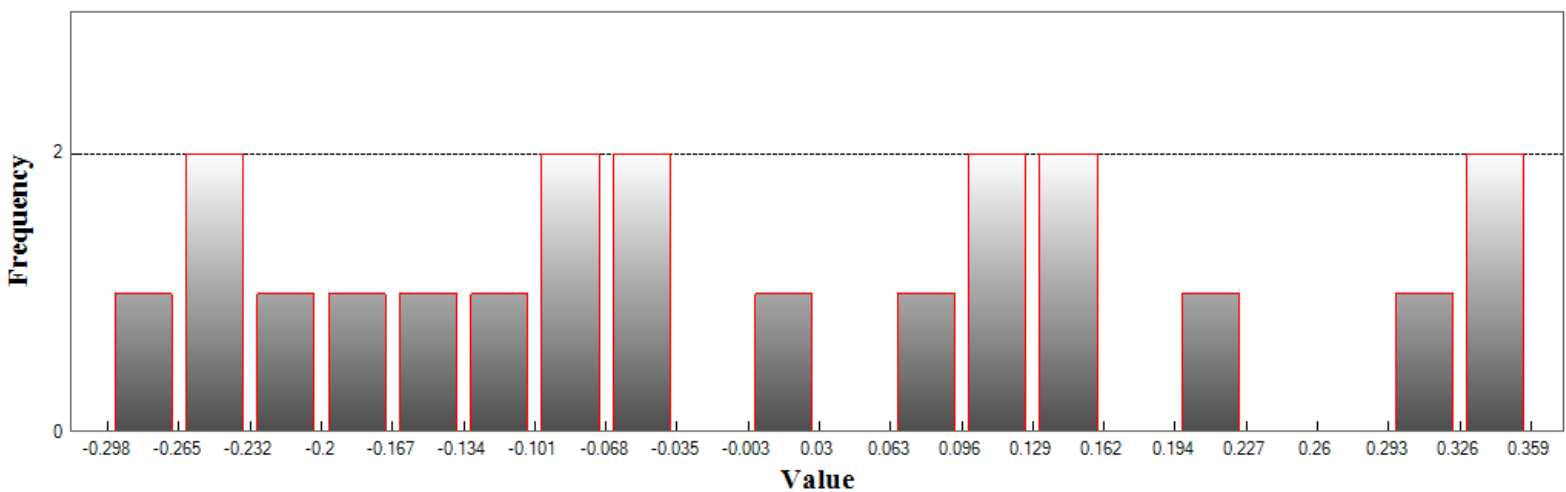


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2M
Minimum DZ: -0.298
Maximum DZ: 0.359
Mean DZ: 0.004
Mean Magnitude DZ: 0.409
Number Observations: 21
Standard Deviation DZ: 0.2
RMSE Z: 0.195
95th Percentile: 0.357
Units: US Survey Feet

Histogram



Min: -0.298

Max: 0.359

Number Of Bins: 20

Bin Interval: 0.033