

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: cleveland_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: LAS

Number of Data Files Matching Attribute: 2165 out of 2165



LiDAR Accuracy Assessment Summary

LC Type	# of Points	NVA	VVA
LAS			
2B	20	0.340	
2H	40		0.499
2L	21		0.540
2M	21		1.113
2U	43	0.366	
Total	145		

Units: US Survey Feet

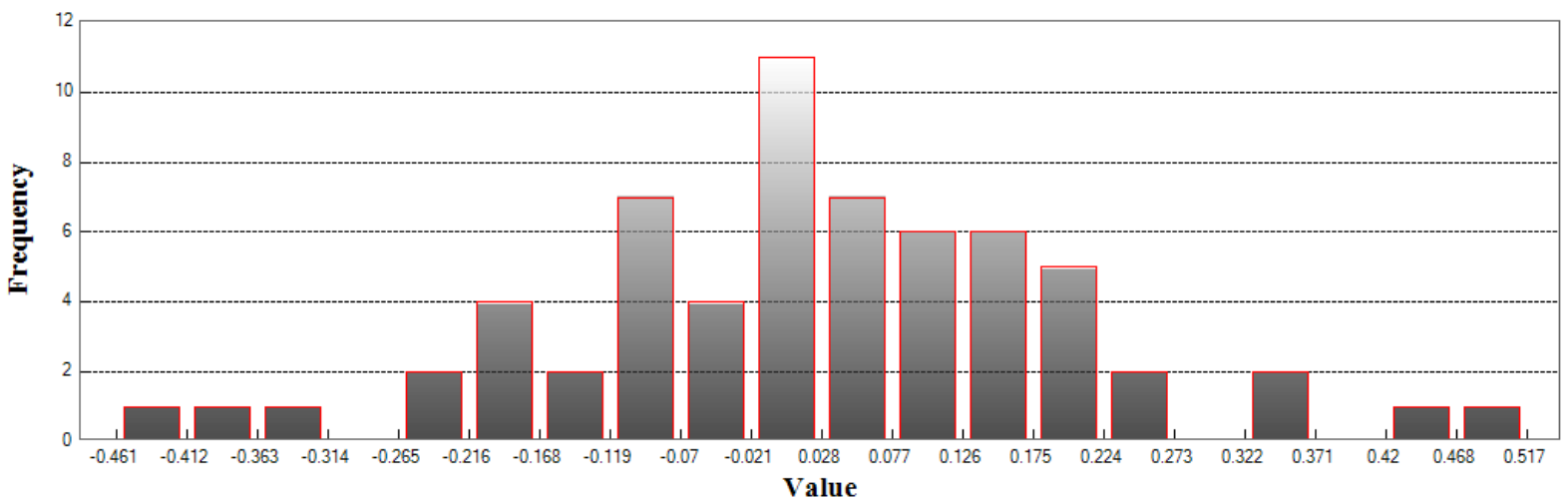


LAS

Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U
Minimum DZ: -0.461
Maximum DZ: 0.518
Mean DZ: 0.028
Mean Magnitude DZ: 0.372
Number Observations: 63
Standard Deviation DZ: 0.182
RMSE Z: 0.183
95% Confidence Level Z: 0.358
Units: US Survey Feet

Histogram



Min: -0.461
Max: 0.518
Number Of Bins: 20
Bin Interval: 0.049

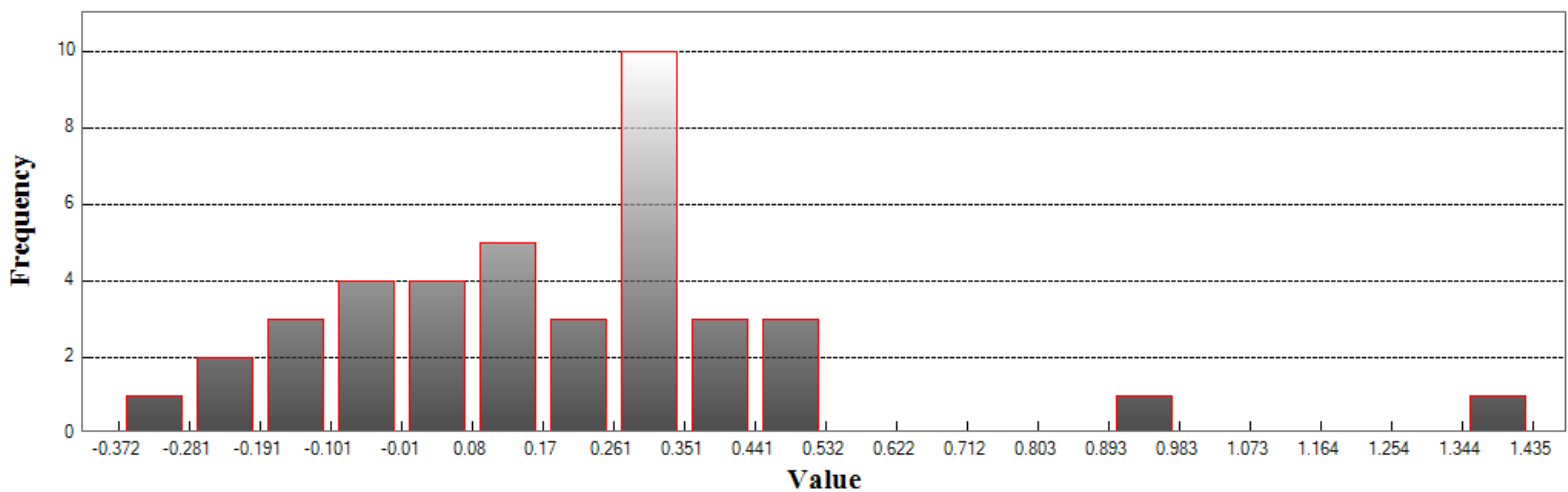


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2H
Minimum DZ: -0.371
Maximum DZ: 1.435
Mean DZ: 0.202
Mean Magnitude DZ: 0.521
Number Observations: 40
Standard Deviation DZ: 0.317
RMSE Z: 0.372
95th Percentile: 0.499
Units: US Survey Feet

Histogram



Min: -0.371

Max: 1.435

Number Of Bins: 20

Bin Interval: 0.09

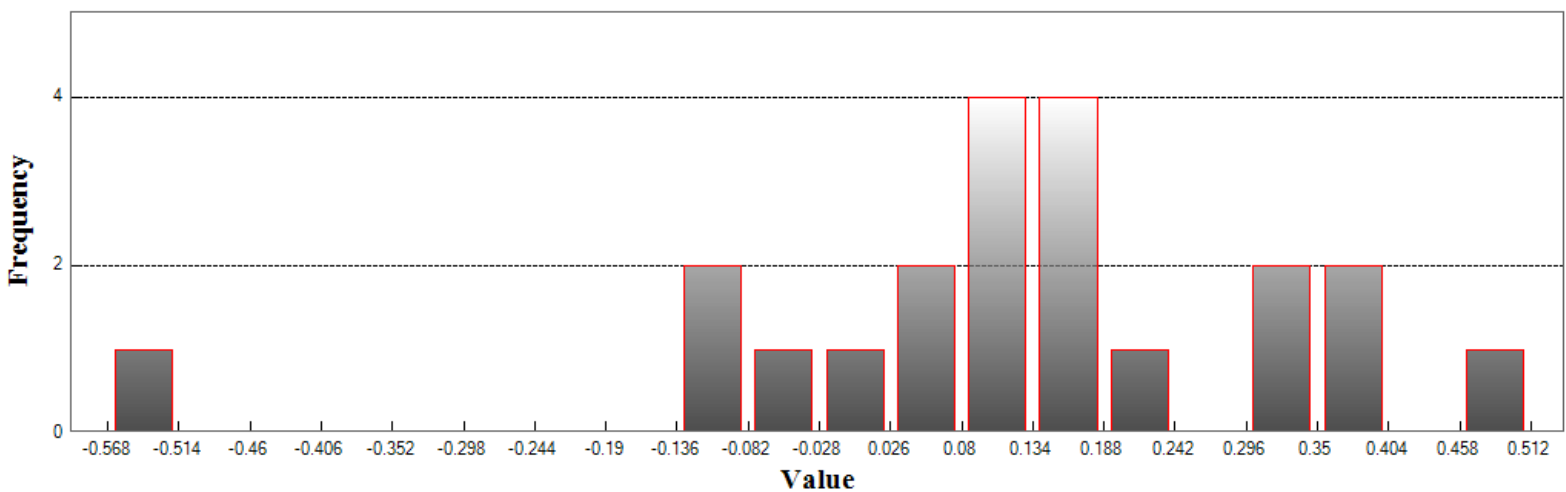


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2L
Minimum DZ: -0.568
Maximum DZ: 0.512
Mean DZ: 0.117
Mean Magnitude DZ: 0.445
Number Observations: 21
Standard Deviation DZ: 0.225
RMSE Z: 0.249
95th Percentile: 0.54
Units: US Survey Feet

Histogram



Min: -0.568

Max: 0.512

Number Of Bins: 20

Bin Interval: 0.054

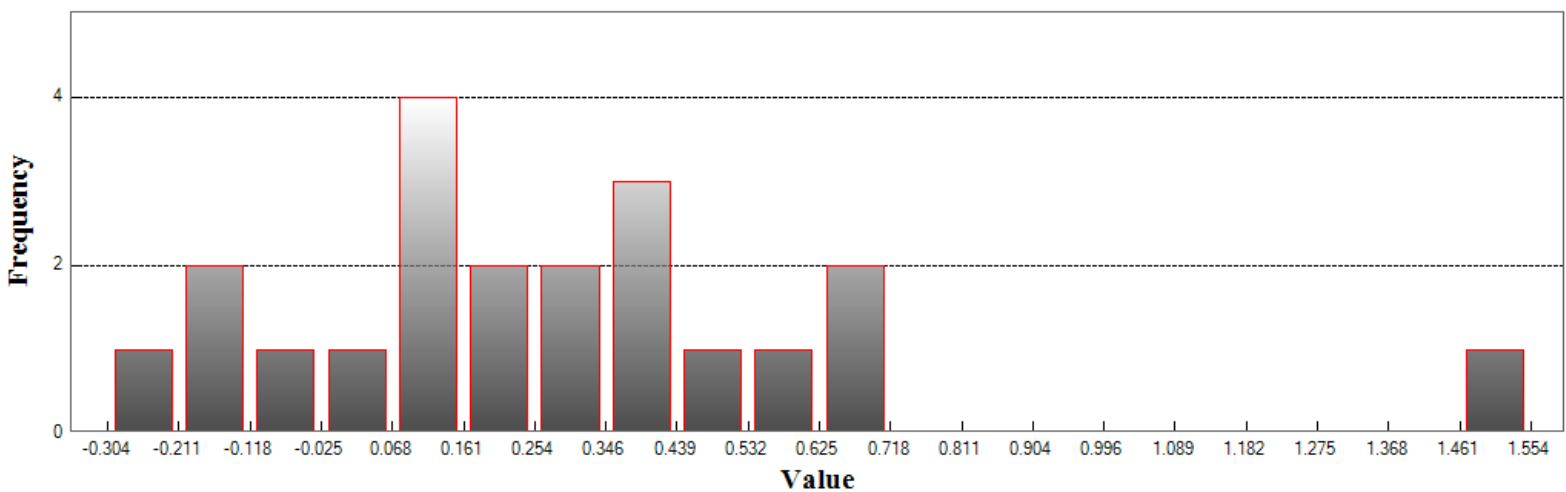


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2M
Minimum DZ: -0.303
Maximum DZ: 1.554
Mean DZ: 0.285
Mean Magnitude DZ: 0.594
Number Observations: 21
Standard Deviation DZ: 0.393
RMSE Z: 0.478
95th Percentile: 1.113
Units: US Survey Feet

Histogram



Min: -0.303

Max: 1.554

Number Of Bins: 20

Bin Interval: 0.093