

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: alleghany_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:

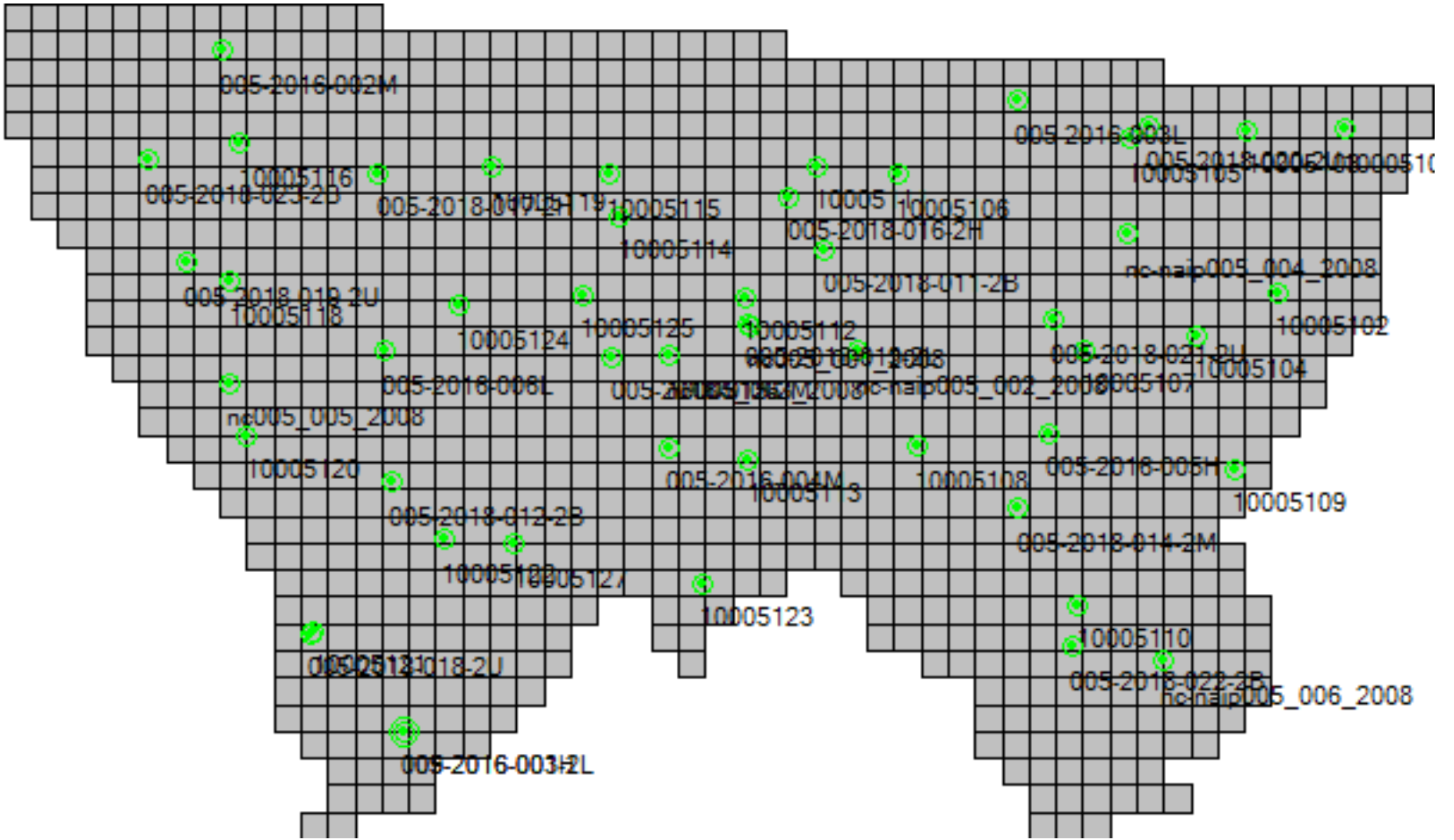
Tile Index Attribute: las_tile

Data Filename: QL1

Number of Data Files Matching Attribute: 1106 out of 1106



Tiled-Data Area





LiDAR Accuracy Assessment Summary

LC Type	# of Points	NVA	VVA	
LAS				
2B	4	0.641		
2H	4		0.302	
2L	4		0.594	
2M	4		0.587	
2U	36	0.563		
Total	52			

Units: US Survey Feet

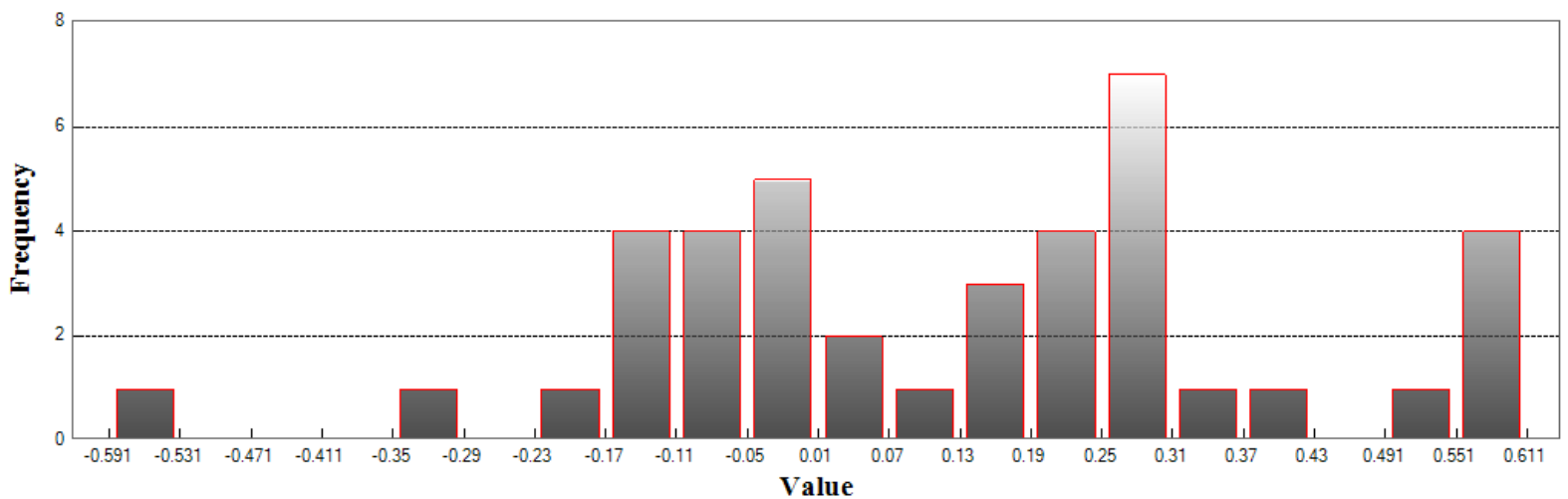


LAS

Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U
Minimum DZ: -0.591
Maximum DZ: 0.611
Mean DZ: 0.123
Mean Magnitude DZ: 0.481
Number Observations: 40
Standard Deviation DZ: 0.268
RMSE Z: 0.292
95% Confidence Level Z: 0.572
Units: US Survey Feet

Histogram



Min: -0.591
Max: 0.611
Number Of Bins: 20
Bin Interval: 0.06

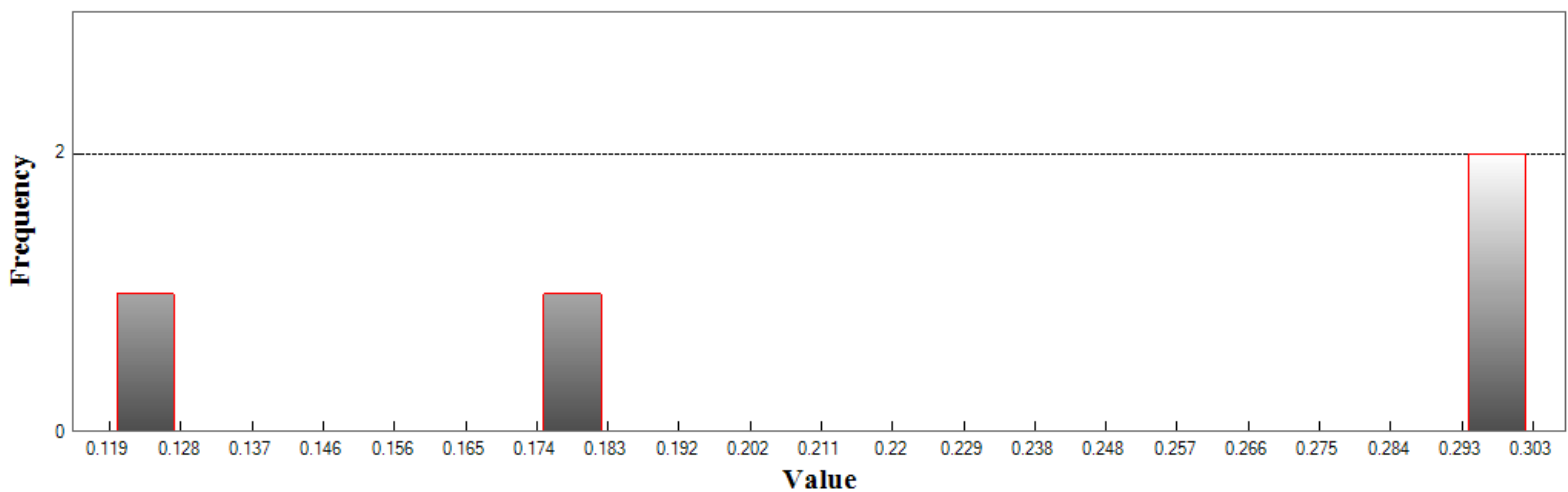


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2H
Minimum DZ: 0.118
Maximum DZ: 0.302
Mean DZ: 0.225
Mean Magnitude DZ: 0.475
Number Observations: 4
Standard Deviation DZ: 0.091
RMSE Z: 0.239
95th Percentile: 0.302
Units: US Survey Feet

Histogram



Min: 0.118
Max: 0.302
Number Of Bins: 20
Bin Interval: 0.009

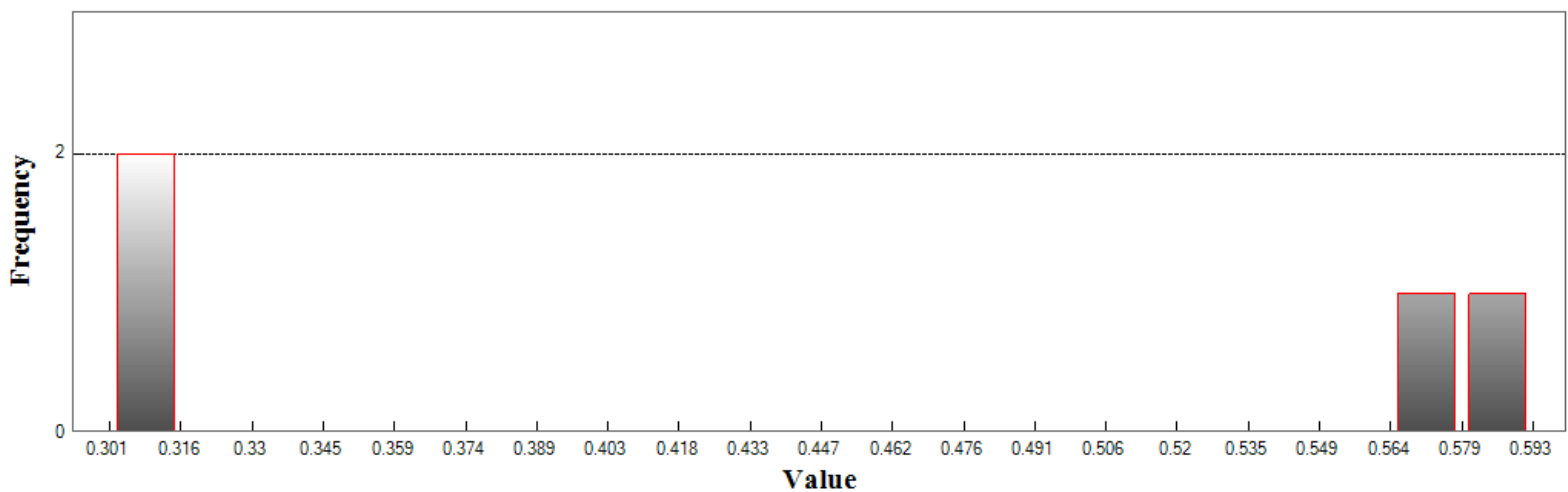


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2L
Minimum DZ: 0.301
Maximum DZ: 0.594
Mean DZ: 0.442
Mean Magnitude DZ: 0.665
Number Observations: 4
Standard Deviation DZ: 0.159
RMSE Z: 0.463
95th Percentile: 0.594
Units: US Survey Feet

Histogram



Min: 0.301

Max: 0.594

Number Of Bins: 20

Bin Interval: 0.015

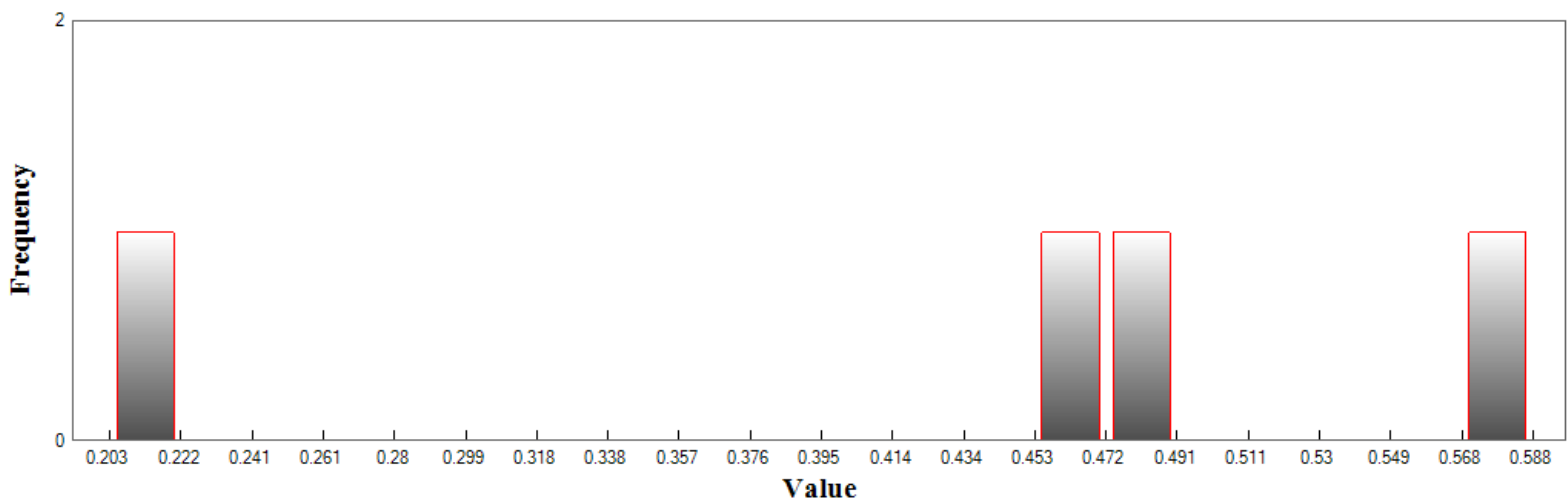


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2M
Minimum DZ: 0.203
Maximum DZ: 0.587
Mean DZ: 0.43
Mean Magnitude DZ: 0.656
Number Observations: 4
Standard Deviation DZ: 0.162
RMSE Z: 0.452
95th Percentile: 0.587
Units: US Survey Feet

Histogram



Min: 0.203

Max: 0.587

Number Of Bins: 20

Bin Interval: 0.019