

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: davie_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:

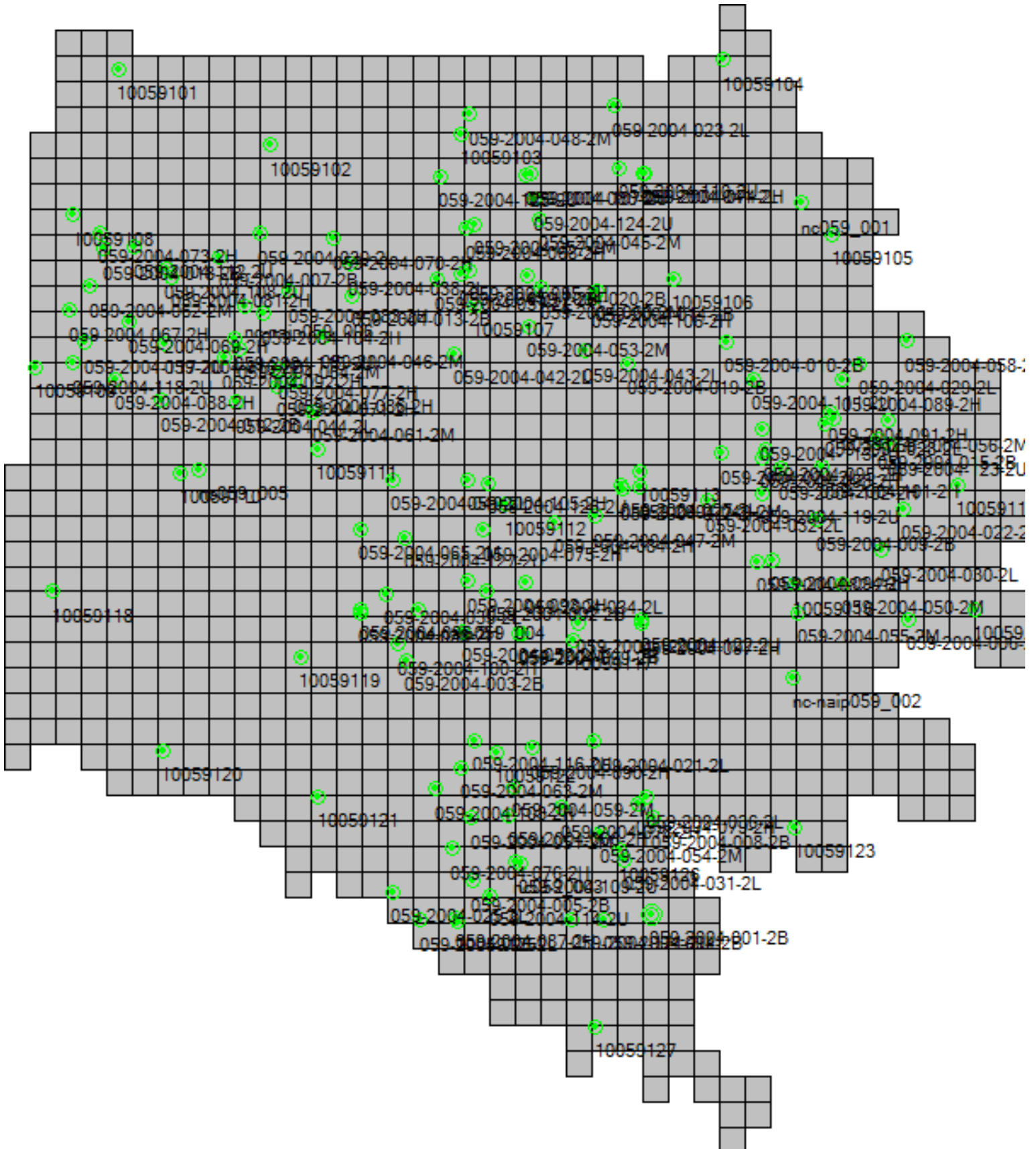
Tile Index Attribute: las_tile

Data Filename: LAS

Number of Data Files Matching Attribute: 1184 out of 1184



Tiled-Data Area





LiDAR Accuracy Assessment Summary

LC Type	# of Points	NVA	VVA	
LAS				
2B	20	0.484		
2H	41		0.664	
2L	24		0.608	
2M	21		0.615	
2U	54	0.464		
Total	160			

Units: US Survey Feet

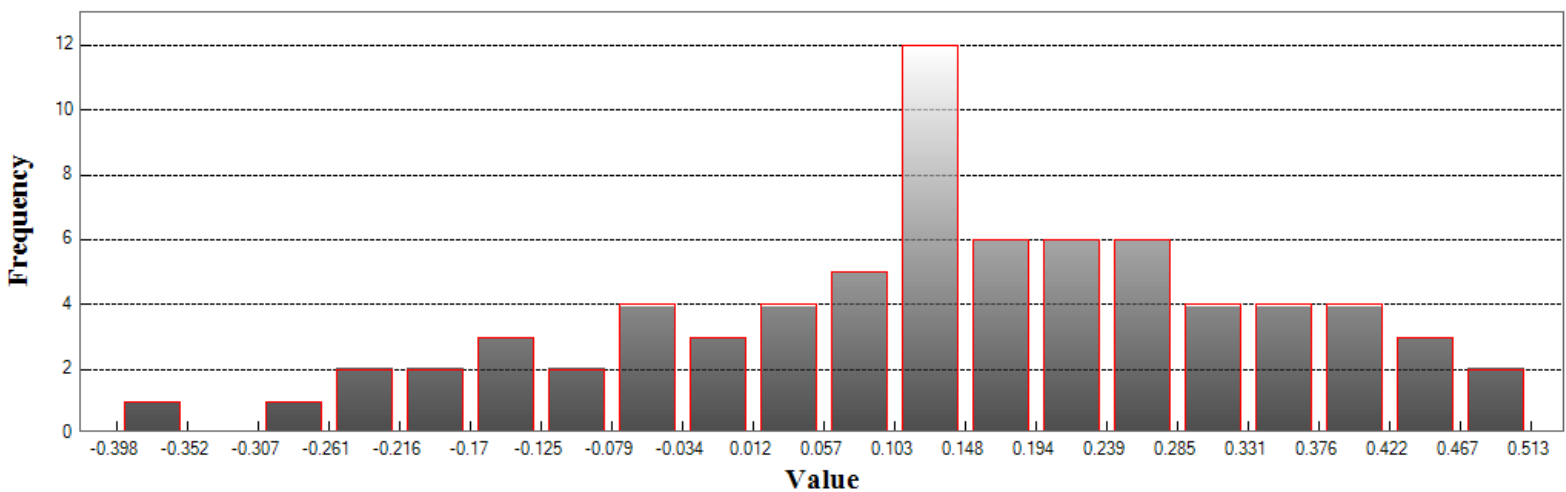


LAS

Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U
Minimum DZ: -0.398
Maximum DZ: 0.512
Mean DZ: 0.137
Mean Magnitude DZ: 0.451
Number Observations: 74
Standard Deviation DZ: 0.198
RMSE Z: 0.239
95% Confidence Level Z: 0.469
Units: US Survey Feet

Histogram



Min: -0.398
Max: 0.512
Number Of Bins: 20
Bin Interval: 0.046

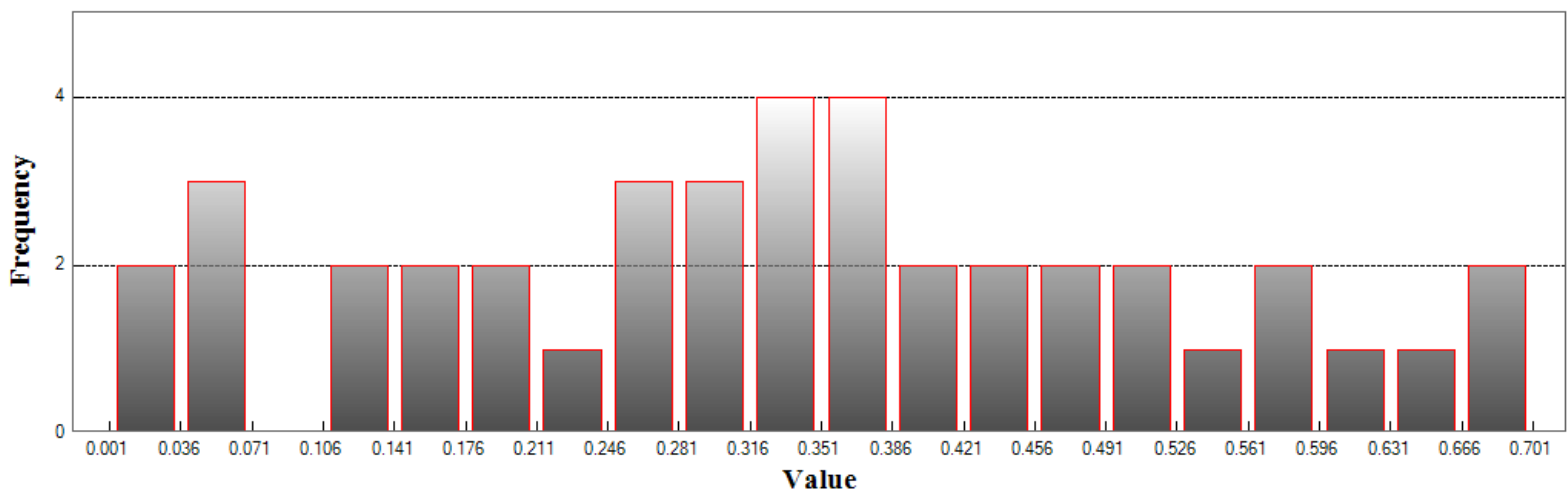


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2H
Minimum DZ: 0.002
Maximum DZ: 0.702
Mean DZ: 0.338
Mean Magnitude DZ: 0.582
Number Observations: 41
Standard Deviation DZ: 0.186
RMSE Z: 0.385
95th Percentile: 0.664
Units: US Survey Feet

Histogram



Min: 0.002
Max: 0.702
Number Of Bins: 20
Bin Interval: 0.035

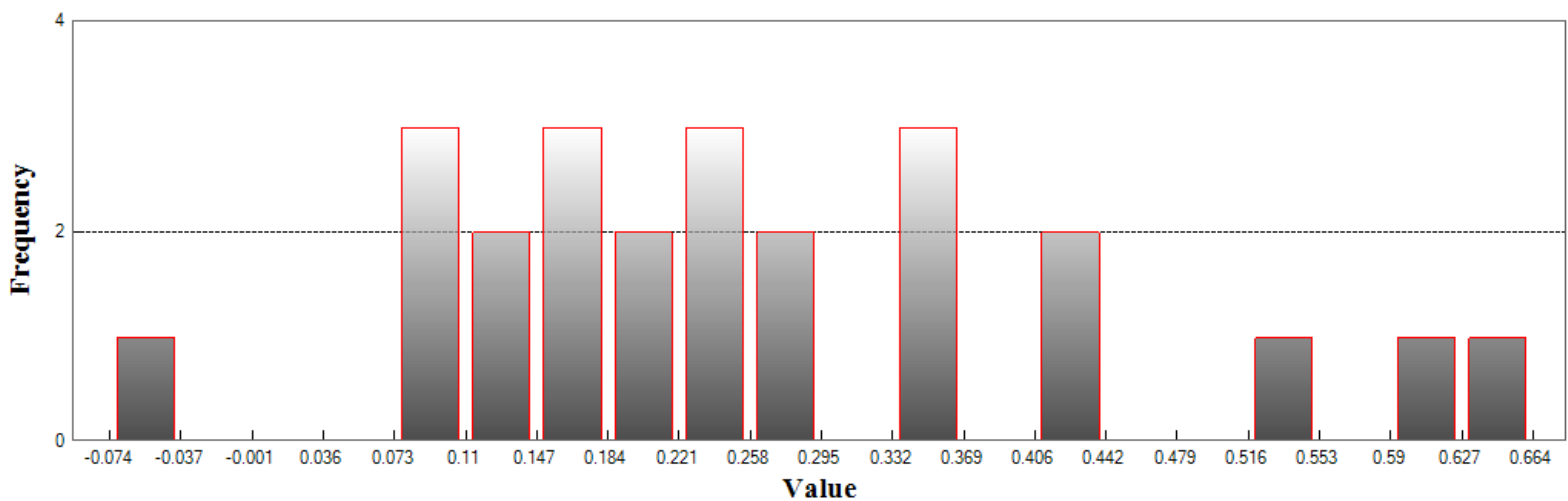


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2L
Minimum DZ: -0.074
Maximum DZ: 0.664
Mean DZ: 0.271
Mean Magnitude DZ: 0.527
Number Observations: 24
Standard Deviation DZ: 0.175
RMSE Z: 0.321
95th Percentile: 0.608
Units: US Survey Feet

Histogram



Min: -0.074

Max: 0.664

Number Of Bins: 20

Bin Interval: 0.037

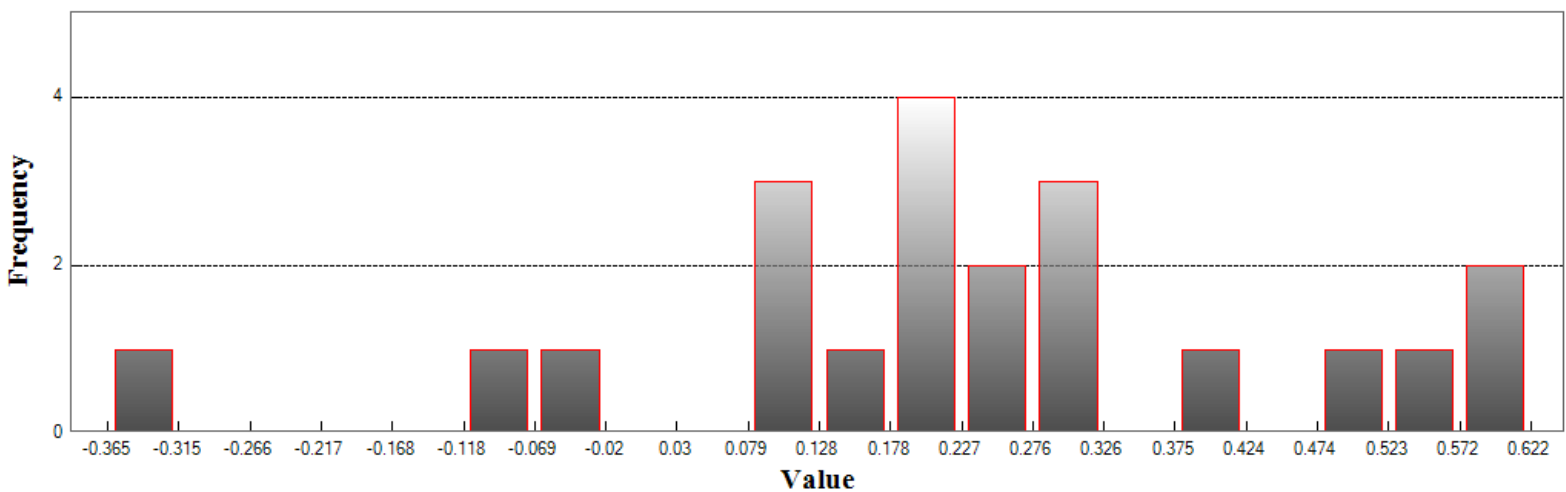


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2M
Minimum DZ: -0.365
Maximum DZ: 0.621
Mean DZ: 0.233
Mean Magnitude DZ: 0.529
Number Observations: 21
Standard Deviation DZ: 0.237
RMSE Z: 0.328
95th Percentile: 0.615
Units: US Survey Feet

Histogram



Min: -0.365

Max: 0.621

Number Of Bins: 20

Bin Interval: 0.049