

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: cabarrus_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:

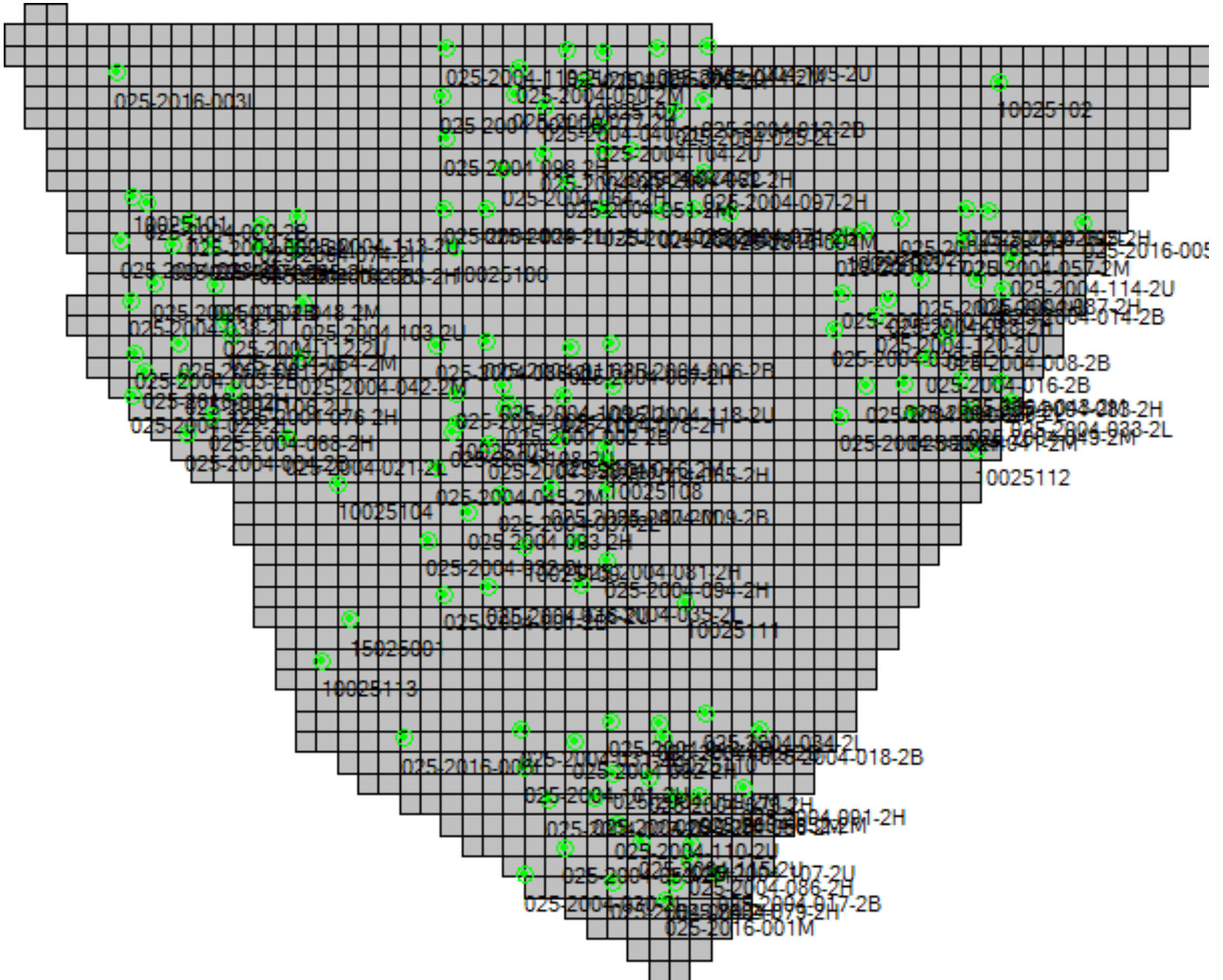
Tile Index Attribute: las_tile

Data Filename: QL1

Number of Data Files Matching Attribute: 1613 out of 1613



Tiled-Data Area





LiDAR Accuracy Assessment Summary

LC Type	# of Points	NVA	VVA
LAS			
2B	20	0.318	
2H	40		0.568
2L	22		0.622
2M	22		0.820
2U	35	0.321	
Total	139		

Units: US Survey Feet

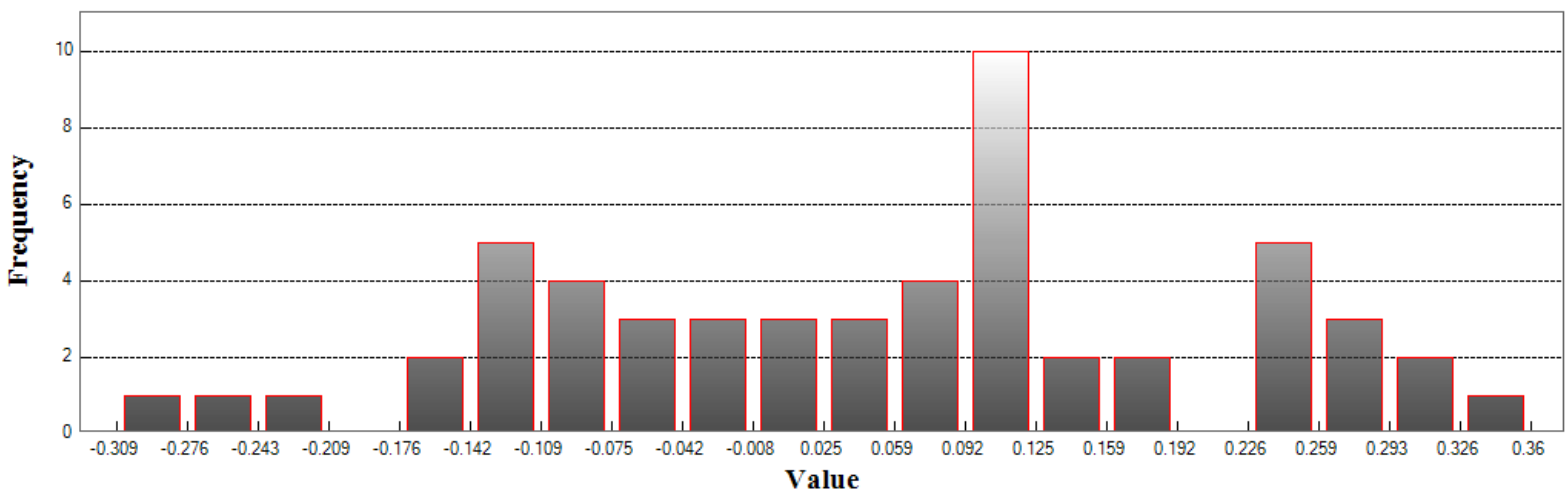


LAS

Nonvegetated Vertical Accuracy

LandCover Type: 2B, 2U
Minimum DZ: -0.31
Maximum DZ: 0.359
Mean DZ: 0.05
Mean Magnitude DZ: 0.37
Number Observations: 55
Standard Deviation DZ: 0.157
RMSE Z: 0.163
95% Confidence Level Z: 0.32
Units: US Survey Feet

Histogram



Min: -0.31
Max: 0.359
Number Of Bins: 20
Bin Interval: 0.033

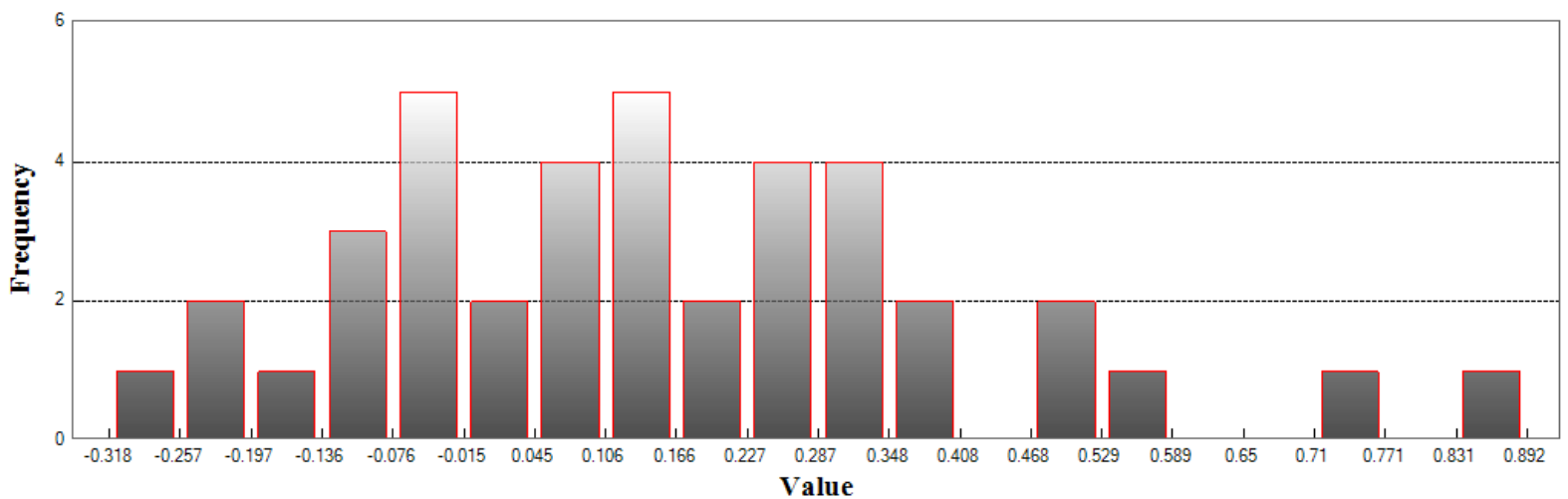


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2H
Minimum DZ: -0.318
Maximum DZ: 0.892
Mean DZ: 0.153
Mean Magnitude DZ: 0.476
Number Observations: 40
Standard Deviation DZ: 0.261
RMSE Z: 0.3
95th Percentile: 0.568
Units: US Survey Feet

Histogram



Min: -0.318

Max: 0.892

Number Of Bins: 20

Bin Interval: 0.06

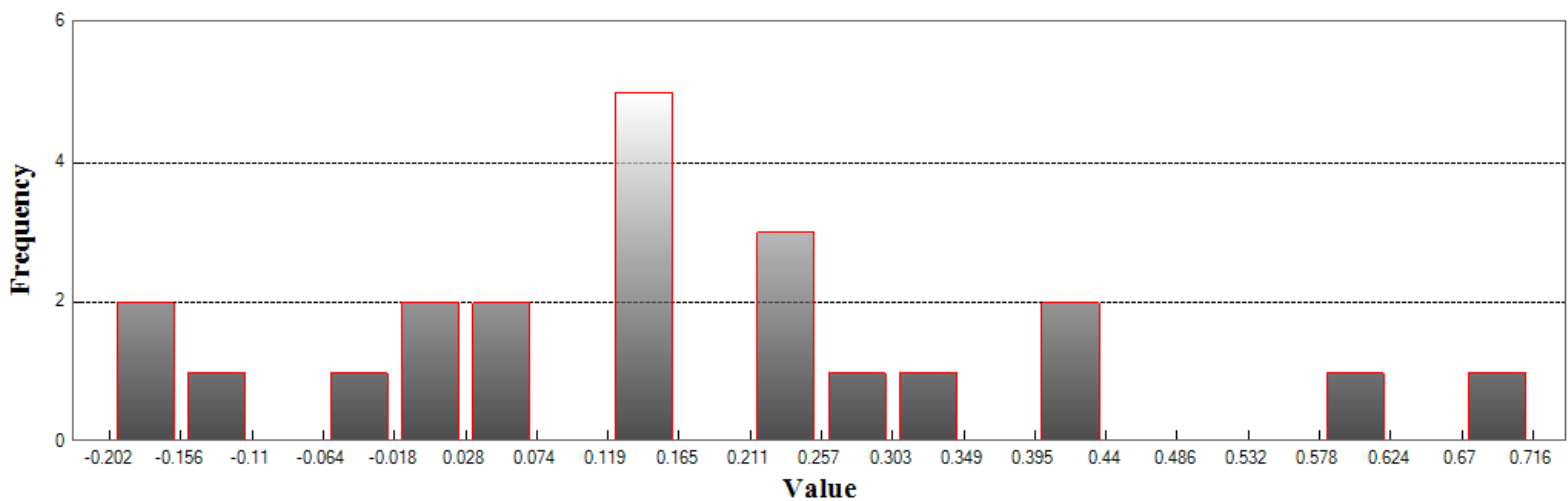


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2L
Minimum DZ: -0.202
Maximum DZ: 0.715
Mean DZ: 0.172
Mean Magnitude DZ: 0.471
Number Observations: 22
Standard Deviation DZ: 0.234
RMSE Z: 0.286
95th Percentile: 0.622
Units: US Survey Feet

Histogram



Min: -0.202

Max: 0.715

Number Of Bins: 20

Bin Interval: 0.046

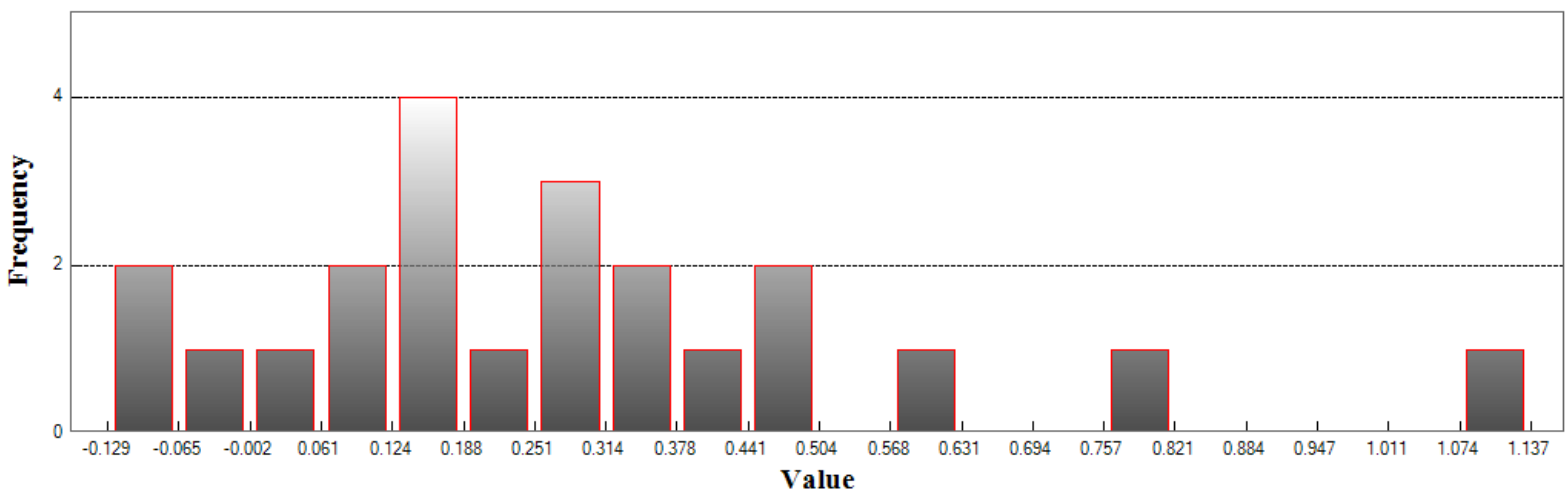


LAS (Continued)

Vegetated Vertical Accuracy

LandCover Type: 2M
Minimum DZ: -0.129
Maximum DZ: 1.137
Mean DZ: 0.287
Mean Magnitude DZ: 0.558
Number Observations: 22
Standard Deviation DZ: 0.295
RMSE Z: 0.406
95th Percentile: 0.82
Units: US Survey Feet

Histogram



Min: -0.129

Max: 1.137

Number Of Bins: 20

Bin Interval: 0.063