NC_HurricaneFlorence_2020_D20



Project Definition: The entire collection for a contracted area.

Work Unit Definition: A production block of data defined by the National Geospatial Technical Operations Center due to expediency, priority or resource allocation. There can be one or many work units per project.

Project Information

Lidar Base Specification: 2.1	Primary Contractor: Quantum Spatial Inc. (QSI)	
Las Version: 1.4	Contract Mechanism: GPSC	
P Method: 13 - Topobathymetric Lidar		
Collection Start Date: 11-26-2019	Collection End Date: 08-25-2020	
The National Map Email: tnm_help@usgs.gov		

Vertical Accuracy Results

The U.S. Geological Survey evaluates absolute vertical accuracy of the lidar and lidar-derived bare earth DEM data at the project level

Lidar Point Cloud	Required NVA RMSEz (cm)	NVA RMSF7	95% confidence		'	Tested VVA at 95th percentile (cm)
	10.0	3.34	19.6	6.55	N/A	18.32

Digital	Required NVA RMSEz (cm)	NVA RMSFz	95% confidence	95% confidence		Tested VVA at 95th percentile (cm)
	10.0	3.34	19.6	6.55	30.0	19.06

Please see the vertical accuracy folder within the project metadata for more information.

Classifications Used

Classification verification is limited to the minimum required by applicable Lidar Base Specification. Classifications beyond the minimum are not verified by USGS.				
Classification ID	Classification Type			
1	Processed, But Unclassified			
2	Bare Earth			
7	Low Noise			
9	Water			
17	Bridge Deck			
18	High Noise			
20	Ignored Ground			
40	Bathy Bottom			
41	Water Surface			
45	Water Column			





Project Name:

NC_HurricaneFlorence_2020_D20

Sensor(s) Used

Sensor
Riegl VQ-1560i - Aerial Oscillating Mirror
Riegl VQ-1560ii - Rotating Polygonal Mirror
Riegl 1560ii/ii-s - Rotating Polygonal Mirror
Leica Chiroptera 4x - Aerial Oscillating Mirror
Riegl VQ-880-GII - Rotating Polygon Mirror
Leica HawkEye 4X Deep Bathymetric - Oscillating Mirror





Project Name: NC_HurricaneFlorence_2020_D20

Work Unit Information

NC_HurricaneFlorence_1_2020	Work Unit ID: 186825	Quality Level: 1	
Horizontal EPSG Code: 6346	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened		
Collection Start Date: 2019-12-10	Collection End Date: 20	Collection End Date: 2020-01-08	

NC_HurricaneFlorence_8_2020	Work Unit ID: 218544	Quality Level: 1	
Horizontal EPSG Code: 6346	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened		
Collection Start Date: 2019-12-16	Collection End Date: 20	Collection End Date: 2020-02-23	

NC_HurricaneFlorence_2_2020	Work Unit ID: 196896	Quality Level: 1
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID12B
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-12-08	Collection End Date: 2020-01-08	

NC_HurricaneFlorence_3_2020	Work Unit ID: 198494	Quality Level: 1
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-12-08	Collection End Date: 2020-01-26	

NC_HurricaneFlorence_7_2020	Work Unit ID: 217003	Quality Level: 1	
Horizontal EPSG Code: 6346	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 0.5	Hydro Treatment: hyd	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-12-12	Collection End Date: 2	Collection End Date: 2020-01-08	

NC_HurricaneFlorence_6_2020	Work Unit ID: 224678	Quality Level: 1
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-12-16	Collection End Date: 2020-02-08	

NC_HurricaneFlorence_5_2020	Work Unit ID: 210877	Quality Level: 1
Horizontal EPSG Code: 6346	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: None	Collection End Date: None	





Project Name: NC_HurricaneFlorence_2020_D20

NC_HurricaneFlorence_4_2020	Work Unit ID: 208939	Quality Level: 1
Horizontal EPSG Code: 6346	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-01-30	Collection End Date: 2020-02-02	

NC_HurricaneFlorence_9_2020	Work Unit ID: 220804	Quality Level: 1	
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro	Hydro Treatment: hydro-flattened	
Collection Start Date: 2020-01-18	Collection End Date: 20	Collection End Date: 2020-02-28	

NC_HurricaneFlorence_10_2020	Work Unit ID: 225700	Quality Level: 1	
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-12-15	Collection End Date: 20	Collection End Date: 2020-01-26	

NC_HurricaneFlorence_11_2020	Work Unit ID: 225793	Quality Level: 1
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-12-15	Collection End Date: 2020-02-28	

NC_HurFlo_NOAA_15_2020	Work Unit ID: 300149	Quality Level: 1
Horizontal EPSG Code: 6346	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-11-26	Collection End Date: 2020-04-02	

NC_HurFlo_NOAA_14_2020	Work Unit ID: 300148	Quality Level: 1
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-11-26	Collection End Date: 2020-03-12	

NC_HurFlo_NOAA_12_2020	Work Unit ID: 300146	Quality Level: 1	
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-11-26	Collection End Date: 20	Collection End Date: 2020-07-20	

NC_HurFlo_NOAA_13_2020	Work Unit ID: 300147	Quality Level: 1
Horizontal EPSG Code: 6347	Vertical EPSG Code: 5703	Geoid Model: GEOID18
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened	
Collection Start Date: 2019-12-07	Collection End Date: 2020-08-25	





Project Name: NC_HurricaneFlorence_2020_D20





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