AZ_GrandCanyonNP_2019_B19

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: 1.3	**Primary Contractor:** The Atlantic Group LLC (Atlantic)
Las Version: 1.4	**Contract Mechanism:** GPSC
P Method: 7 - Linear-Mode Lidar	
Collection Start Date: 09-27-2019	**Collection End Date:** 10-06-2019
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**		**Digital Elevation Model**	
	Required Value(cm)	**Tested Value (cm)**	**Required Value(cm)**	**Tested Value (cm)**
Non-Vegetated Vertical Accuracy 95-Percent Confidence Level	19.6	17.07	19.6	16.88
Vegetated Vertical Accuracy 95th Percentile	N/A	21.16	30.0	24.98

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 (typically breaklines proximity)

Sensor(s) Used

Sensor
Optech Galaxy Prime - Aerial Oscillating Mirror

Work Unit Information

AZ_GrandCanyonNP_2_2019	**Work Unit ID:** 230416	**Quality Level:** 1
Horizontal EPSG Code: 6341	**Vertical EPSG Code:** 5703	**Geoid Model:** GEOID 12B
DEM Ground Sample Distance: 0.5	**Hydro Treatment:** hydro-flattened	
Collection Start Date: 2019-09-29	**Collection End Date:** 2019-10-05	

AZ_GrandCanyonNP_1_2019	**Work Unit ID:** 182567	**Quality Level:** 1
Horizontal EPSG Code: 6341	**Vertical EPSG Code:** 5703	**Geoid Model:** GEOID 12B
DEM Ground Sample Distance: 0.5	**Hydro Treatment:** hydro-flattened	
Collection Start Date: 2019-09-27	**Collection End Date:** 2019-10-06	