UT_FEMA_FS_FlamingGorge_2020_B20



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: Dewberry Consultants LLC (Dewberry)	
Las Version: 1.4	Contract Mechanism: GPSC	
P Method: 7 - Linear-Mode Lidar		
Collection Start Date: 08-08-2020	Collection End Date: 11-20-2020	
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	7.3	19.6	14.31	N/A	10.79

Didital	Required NVA RMSEz (cm)	NVA RMSF7	95% confidence	95% confidence	'	Tested VVA at 95th percentile (cm)
	10.0	7.42	19.6	14.54	30.0	10.81

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)		
22	Temporal exclusion (typically nonfavored data in intertidal zones)		

Sensor(s) Used

Sensor





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Riegl VQ-1560ii - Rotating Polygonal Mirror

Optech Galaxy Prime - Aerial Oscillating Mirror

Optech Galaxy T2000 - Aerial Oscillating Mirror





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Work Unit Information

UT_FlamingGorge_3_2020	Work Unit ID: 229452	Quality Level: 2		
Horizontal EPSG Code: 6341	Vertical EPSG Code: 5703	Geoid Model: GEOID18		
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydr	Hydro Treatment: hydro-flattened		
Collection Start Date: 2020-09-30	Collection End Date: 20	Collection End Date: 2020-10-23		

UT_FlamingGorge_2_2020	Work Unit ID: 228003	Quality Level: 1		
Horizontal EPSG Code: 6341	Vertical EPSG Code: 5703	Geoid Model: GEOID12B		
DEM Ground Sample Distance: 0.5	Hydro Treatment: hyd	Hydro Treatment: hydro-flattened		
Collection Start Date: 2020-08-08	Collection End Date:	Collection End Date: 2020-08-18		

UT_FlamingGorge_1_2020	Work Unit ID: 195625	Quality Level: 2	
Horizontal EPSG Code: 6341	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened		
Collection Start Date: 2020-09-14	Collection End Date: 2020-11-05		

UT_FlamingGorge_5_2020	Work Unit ID: 300176	Quality Level: 2	
Horizontal EPSG Code: 6341	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 1.0	Hydro Treatment: hydro-flattened		
Collection Start Date: 2020-08-14	Collection End Date: 2020-11-20		

UT_FlamingGorge_4_2020	Work Unit ID: 300175	Quality Level: 1	
Horizontal EPSG Code: 6341	Vertical EPSG Code: 5703	Geoid Model: GEOID18	
DEM Ground Sample Distance: 0.5	Hydro Treatment: hydro-flattened		
Collection Start Date: 2020-09-10	Collection End Date: 2020-10-30		





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