# ND\_SouthWest\_2021\_D21



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: 2021 Revision A	Primary Contractor: Fugro Geospatial, Inc. (Fugro)
Las Version: 1.4	Contract Mechanism: GPSC
P Method: 7 - Linear-Mode Lidar	
Collection Start Date: 10-29-2021	Collection End Date: 11-08-2021
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 RMSFz	95% confidence	95% confidence	'	Tested VVA at 95th percentile (cm)
	10.0	2.45	19.6	4.8	N/A	14.40

Digital	Required NVA RMSEz (cm)	NVA RMSFz	95% confidence	95% confidence		Tested VVA at 95th percentile (cm)
	10.0	2.88	19.6	5.64	30.0	14.56

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	Unclassified		
2	Ground		
6	Building		
7	Low Noise		
9	Water		
17	Bridge Deck		
18	High Noise		
20	Ignored Ground		

## Sensor(s) Used





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#### Sensor

Leica ALS80 - Aerial Oscillating Mirror

Riegl LMS Q1560 - Aerial Rotating Prism





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## **Work Unit Information**

ND_SouthWest_2_D21	Work Unit ID: 300143	Quality Level: 2		
Horizontal EPSG Code: 6343	Vertical EPSG Code: 5703	Geoid Model: GEOID18		
<b>DEM Ground Sample Distance:</b> 1.0	Hydro Treatment: hydro	Hydro Treatment: hydro-flattened		
Collection Start Date: 2021-11-06	Collection End Date: 20	Collection End Date: 2021-11-07		

ND_SouthWest_1_D21	Work Unit ID: 223464	Quality Level: 2		
Horizontal EPSG Code: 6342	Vertical EPSG Code: 5703	Geoid Model: GEOID18		
<b>DEM Ground Sample Distance:</b> 1.0	<b>Hydro Treatment:</b> hydro	Hydro Treatment: hydro-flattened		
Collection Start Date: 2021-10-29	<b>Collection End Date: 20</b>	Collection End Date: 2021-11-08		





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