

**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

<b>Lidar Base Specification:</b> 2020 Revision A	<b>Primary Contractor:</b> Aerial Services, Inc. (ASI)
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> GPSC
<b>P Method:</b> 7 - Linear-Mode Lidar	
<b>Collection Start Date:</b> 03-06-2021	<b>Collection End Date:</b> 04-12-2021
<b>The National Map Email:</b> 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)
<b>Non-Vegetated Vertical Accuracy</b> 95-Percent Confidence Level	19.6	8.41	19.6	8.86
<b>Vegetated Vertical Accuracy</b> 95th Percentile	N/A	16.57	30.0	18.23

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
3	Low Vegetation
4	Medium Vegetation
5	High Vegetation
7	Low Point (Noise)
9	Water
17	Bridge Deck
18	High Noise
20	Ignored Ground

### Sensor(s) Used

<b>Sensor</b>
Optech Galaxy T2000 - Aerial Oscillating Mirror
Riegl LMS Q1560 - Aerial Rotating Prism

## Work Unit Information

<a href="#">IL_SouthCentral_1_2021</a>	<b>Work Unit ID:</b> 216607	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6455	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID 18
<b>DEM Ground Sample Distance:</b> 2.0	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2021-03-06	<b>Collection End Date:</b> 2021-04-05	

<a href="#">IL_SouthCentral_2_2021</a>	<b>Work Unit ID:</b> 226708	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6457	<b>Vertical EPSG Code:</b> 6360	<b>Geoid Model:</b> GEOID 18
<b>DEM Ground Sample Distance:</b> 2.0	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2021-03-06	<b>Collection End Date:</b> 2021-04-12	