

**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> Lidar Base Specification 2022 rev. A.	<b>Primary Contractor:</b> Aero-Graphics, Inc (AGI)
<b>Las Version:</b> 1.4	<b>Contract Mechanism:</b> GPSC
<b>P Method:</b> 7 - Linear-Mode Lidar	
<b>Collection Start Date:</b> 06-04-2022	<b>Collection End Date:</b> 10-04-2023
<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	Required NVA RMSEz (cm)	Tested NVA RMSEz (cm)	Required NVA at 95% confidence level (cm)	Tested NVA at 95% confidence level (cm)	Required VVA at 95th percentile (cm)	Tested VVA at 95th percentile (cm)
	10.0	<b>4.68</b>	19.6	<b>9.18</b>	N/A	<b>11.50</b>

Digital Elevation Model	Required NVA RMSEz (cm)	Tested NVA RMSEz (cm)	Required NVA at 95% confidence level (cm)	Tested NVA at 95% confidence level (cm)	Required VVA at 95th percentile (cm)	Tested VVA at 95th percentile (cm)
	10.0	<b>4.72</b>	19.6	<b>9.25</b>	30.0	<b>10.35</b>

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
7	low noise
9	water
17	bridge decks
18	high noise
20	ignored ground
22	temporal exclusion

### Sensor(s) Used

Sensor
Optech Galaxy T2000 - Aerial Oscillating Mirror
Optech Galaxy Prime - Aerial Oscillating Mirror
Riegl 1560ii/ii-s - Rotating Polygonal Mirror
Riegl VQ-1560ii - Rotating Polygonal Mirror

## Work Unit Information

<a href="#">UT_WestEast_2_B22</a>	<b>Work Unit ID:</b> 300239	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 1.0	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-06-04	<b>Collection End Date:</b> 2023-05-02	

<a href="#">UT_WestEast_4_B22</a>	<b>Work Unit ID:</b> 300366	<b>Quality Level:</b> 2
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 1.0	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-08-22	<b>Collection End Date:</b> 2022-10-18	

<a href="#">UT_WestEast_9_B22</a>	<b>Work Unit ID:</b> 300372	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-09-03	<b>Collection End Date:</b> 2022-10-29	

<a href="#">UT_WestEast_7_B22</a>	<b>Work Unit ID:</b> 300370	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-06-24	<b>Collection End Date:</b> 2022-10-31	

<a href="#">UT_WestEast_8_B22</a>	<b>Work Unit ID:</b> 300371	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-06-24	<b>Collection End Date:</b> 2022-10-31	

<a href="#">UT_WestEast_5_B22</a>	<b>Work Unit ID:</b> 300368	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-08-30	<b>Collection End Date:</b> 2022-10-02	

<a href="#">UT_WestEast_3_B22</a>	<b>Work Unit ID:</b> 300243	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-07-23	<b>Collection End Date:</b> 2022-09-02	

<a href="#">UT_WestEast_6_B22</a>	<b>Work Unit ID:</b> 300369	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-08-22	<b>Collection End Date:</b> 2023-10-04	

<a href="#">UT_WestEast_10_B22</a>	<b>Work Unit ID:</b> 300373	<b>Quality Level:</b> 1
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<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> None	<b>Collection End Date:</b> 2022-10-29	

<a href="#">UT_WestEast_1_B22</a>	<b>Work Unit ID:</b> 300161	<b>Quality Level:</b> 1
<b>Horizontal EPSG Code:</b> 6341	<b>Vertical EPSG Code:</b> 5703	<b>Geoid Model:</b> GEOID18
<b>DEM Ground Sample Distance:</b> 0.5	<b>Hydro Treatment:</b> hydro-flattened	
<b>Collection Start Date:</b> 2022-10-21	<b>Collection End Date:</b> 2022-10-21	