

DPH-4 Report on Datums

The USGS Lidar Base Specification 2022 rev. A states: "All data collected shall be tied to the datums listed below:

For the CONUS, unless otherwise specified by the user and agreed to in advance by the USGS–NGP:

- The horizontal datum for latitude and longitude and ellipsoid heights will be the North American Datum of 1983 (NAD 83) using the most recently NGS-published adjustment (currently NAD 83, epoch 2010.00, realization of 2011).
- The vertical datum for orthometric heights will be the North American Vertical Datum of 1988 (NAVD 88).
- The geoid model used to convert between ellipsoid heights and orthometric heights will be the latest hybrid geoid model of NGS, supporting the latest realization of NAD 83 (currently [2020] GEOID18 model)."

Note: See the specification document for requirements concerning non-contiguous areas of the United States.

The purpose of this section is to show the datums of the LAS files for the lidar tiled data. The project specifications should be reviewed to ensure that the Datums listed in this report are as expected.

[Data Source - D:\00_ISGS_East\Client_LAS](#)

<u>File</u>	<u>Horizontal Datum</u>	<u>EPSG Code</u>	<u>Vertical Datum</u>	<u>EPSG Code</u>
72101315.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101317.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101319.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101321.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101323.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101325.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101327.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101329.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101331.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101333.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101335.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101337.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101339.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101341.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101343.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101345.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101347.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101349.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101351.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101353.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
72101355.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103

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<u>File</u>	<u>Horizontal Datum</u>	<u>EPSG Code</u>	<u>Vertical Datum</u>	<u>EPSG Code</u>
94901427.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
94901429.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
94901431.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
94901433.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
94901435.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
94901437.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
94901439.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103