

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 - V:\Mapping\Projects\65221205_IL_MidNorth\Production\Final_Client_Deliverables\229058\IL_MidNorth_1_D22_229055\point_cloud\tilecls](#)

File	Horizontal Datum	EPSG Code	Vertical Datum	EPSG Code
20121446.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20121448.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20141446.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20141448.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20141450.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20161446.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20161448.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20161450.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20181446.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20181448.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20181450.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20181452.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20201446.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20201448.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20201450.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20201452.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20201454.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20221446.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20221448.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
20221450.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103

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File	Horizontal Datum	EPSG Code	Vertical Datum	EPSG Code
23161608.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161610.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161612.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161614.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161616.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161618.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161620.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161622.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161624.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161626.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161628.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161630.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
23161632.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103