

DPH-4 Report on Datums

The USGS Lidar Base Specification Version 2.1 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 [2017] Geoid12b 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_Cherry\Client_LAS](#)

<u>File</u>	<u>Horizontal Datum</u>	<u>EPSG Code</u>	<u>Vertical Datum</u>	<u>EPSG Code</u>
3920_8440.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3920_8455.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8350.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8365.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8380.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8395.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8410.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8425.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8440.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8455.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3935_8470.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8350.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8365.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8380.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8395.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8410.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8425.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8440.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8455.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8470.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
3950_8485.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
4205_8275.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4205_8290.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4205_8305.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4205_8320.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4205_8335.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4205_8350.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4205_8365.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4220_8230.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4220_8245.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4220_8260.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4220_8305.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4220_8320.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4235_8245.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
4235_8260.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103