

DPH-4 Report on Datums

The USGS Lidar Base Specification Version 1.3 states: "To maximize the usability of 3DEP lidar and elevation products, 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 - Y:\Mapping\Projects\65220171_USGS-TX_West_Texas\Production\Final_Client_Deliverables\Lot6_utm13\point_cloud\tilecls](Y:\Mapping\Projects\65220171_USGS-TX_West_Texas\Production\Final_Client_Deliverables\Lot6_utm13\point_cloud\tilecls)

File	Horizontal Datum	EPSG Code	Vertical Datum	EPSG Code
13REQ000020.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000035.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000050.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000065.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000080.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000095.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000110.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000125.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000140.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000155.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000170.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000185.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000200.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000215.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000230.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000245.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000260.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000275.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000290.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000305.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000320.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13REQ000335.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
13SER315400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER330400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER345400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER360400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER375400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER390400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER405400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER420400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER435400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER450400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER465400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER480400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER495400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER510400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER525400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13SER540400.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103