

# 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\Lot10\\_utm13\point\\_cloud\tilecls](Y:\Mapping\Projects\65220171_USGS-TX_West_Texas\Production\Final_Client_Deliverables\Lot10_utm13\point_cloud\tilecls)

File	Horizontal Datum	EPSG Code	Vertical Datum	EPSG Code
13RFP560795.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560810.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560825.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560840.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560855.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560870.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560885.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560900.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560915.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560930.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560945.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560960.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560975.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP560990.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP575465.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP575480.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP575495.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP575510.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP575525.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP575540.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP575555.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RFP575570.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103







































































































































































































































































































































































































## *DPH-4 Report on Datums - continued*

<u>File</u>	<u>Horizontal Datum</u>	<u>EPSG Code</u>	<u>Vertical Datum</u>	<u>EPSG Code</u>
13RGQ995635.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RGQ995650.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RGQ995665.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RGQ995680.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RGQ995695.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RGQ995710.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RGQ995725.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RGQ995740.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
13RGQ995755.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103