

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_utm14\point_cloud\tilecls](Y:\Mapping\Projects\65220171_USGS-TX_West_Texas\Production\Final_Client_Deliverables\Lot6_utm14\point_cloud\tilecls)

File	Horizontal Datum	EPSG Code	Vertical Datum	EPSG Code
14RKT895625.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT910610.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT910625.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT925610.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT925625.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT940610.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT940625.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT955610.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT955625.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT970610.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT970625.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT985595.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT985610.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RKT985625.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RLS390980.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RLS405980.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RLS420965.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RLS420980.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RLS435935.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RLS435950.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RLS435965.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RLS435980.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
14RNR130210.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995000.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995015.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995030.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995045.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995060.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995075.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995090.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995105.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995120.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995135.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995150.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995165.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995180.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995195.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995210.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995225.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995240.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995255.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995270.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995285.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995300.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14RNR995315.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103