

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 - Y:\Mapping\Projects\65220751_NE_Southwest\Production\Final_Client_Deliverables\Projectwide\UTM14\point_cloud\tilecls](Y:\Mapping\Projects\65220751_NE_Southwest\Production\Final_Client_Deliverables\Projectwide\UTM14\point_cloud\tilecls)

File	Horizontal Datum	EPSG Code	Vertical Datum	EPSG Code
14S_LK_1530.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4332.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4333.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4334.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4335.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4336.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4337.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4338.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4339.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4340.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4341.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4342.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4343.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4344.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4345.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4346.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4347.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4348.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4349.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_KK_4432.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103

DPH-4 Report on Datums - continued

File	Horizontal Datum	EPSG Code	Vertical Datum	EPSG Code
14T_LL_9735.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9736.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9737.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9738.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9739.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9740.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9741.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9742.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9743.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
14T_LL_9744.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103