

DPH-4 Report on Datums

The USGS Lidar Base Specification 2021 rev. A 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 [2020] GEOID18 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\65221006_AZ_Yavapai\Production\Final_Client_Deliverables\Projectwide\point_cloud\tilecls](Y:\Mapping\Projects\65221006_AZ_Yavapai\Production\Final_Client_Deliverables\Projectwide\point_cloud\tilecls)

File	Horizontal Datum	EPSG Code	Vertical Datum	EPSG Code
12S_TC_8464.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8465.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8466.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8467.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8468.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8469.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8470.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8471.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8472.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8473.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8474.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8475.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8476.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8477.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8478.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8479.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8480.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8481.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8482.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103
12S_TC_8483.las	NAD83 (National Spatial Reference System 2011)	1116	North American Vertical Datum 1988	5103

