

Map	Name	Dates	Leaf On/Off	QL	Pt Spacing	Pt Density	Max Returns	Overlap	LAS Tiling Scheme	Tile Labels	Coverage	Horizontal Coordinate System	Vert. Coord Sys.	Products	Class Definitions	Vendor	PASDA Download (LAS)
	PAMAP (2006)		2006 Leaf-Off	QL3	1.4 m	Unknown	4	30% (not flagged or classified)	10,000' x 10,000' (PAMAP)	yyyyxxxPad yyyy-first 4 digits of northing coor for tile's NW corner xxxx-first 4 digits of easting coor for tile's NW corner PA=state identifier d=state plane zone (north or south)	4,789 tiles	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet NAD_1983_StatePlane_Pennsylvania_North_FIPS_3701_Feet	NAVD 1988	Contours (2) DEM Breaklines LAS	1-Default-points that are a mixture of the remaining points after the ground classification and would contain bridges, overpasses, buildings, cars, parts of vegetation, etc. 2-Ground-the bare earth surface. 8-Model Key-the educated, thinned points to represent the final bare earth surface, the points used to generate the final contours. 9-Water-points inside hydrographic features. 12-Non-Ground-points identified as first of many returns or intermediate of many returns from the LIDAR pulse, most likely vegetation returns or points identified to be not on the ground surface. 15-Road Edges-points that fall within +/-1.5' of road break lines.	Photo Science, Woolpert, LandAir, Kucera, EarthData	http://the.pasda.gov/arcgis/rest/services/PAMAP/MapServer/0/arcgis/export?_lang=en
	PAMAP (2007)		2007 Leaf-Off	QL3	1.4 m	Unknown	4	30% (not flagged or classified)	10,000' x 10,000' (PAMAP)	yyyyxxxPad yyyy-first 4 digits of northing coor for tile's NW corner xxxx-first 4 digits of easting coor for tile's NW corner PA=state identifier d=state plane zone (north or south)	4,407 tiles	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet NAD_1983_StatePlane_Pennsylvania_North_FIPS_3701_Feet	NAVD 1988	Contours (2) DEM Breaklines LAS	1-Default-points that are a mixture of the remaining points after the ground classification and would contain bridges, overpasses, buildings, cars, parts of vegetation, etc. 2-Ground the bare earth surface. 8-Model Key-the educated, thinned points to represent the final bare earth surface, the points used to generate the final contours. 9-Water-points inside hydrographic features. 12-Non-Ground-points identified as first of many returns or intermediate of many returns from the LIDAR pulse, most likely vegetation returns or points identified to be not on the ground surface. 15-Road Edges-points that fall within +/-1.5' of road break lines.	Photo Science, Woolpert, LandAir, Kucera, EarthData	http://the.pasda.gov/arcgis/rest/services/PAMAP/MapServer/0/arcgis/export?_lang=en
	PAMAP (2008)		2008 Leaf-Off	QL3	1.4 m	Unknown	4	30% (not flagged or classified)	10,000' x 10,000' (PAMAP)	yyyyxxxPad yyyy-first 4 digits of northing coor for tile's NW corner xxxx-first 4 digits of easting coor for tile's NW corner PA=state identifier d=state plane zone (north or south)	4,268 tiles	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet NAD_1983_StatePlane_Pennsylvania_North_FIPS_3701_Feet	NAVD 1988	Contours (2) DEM Breaklines LAS	1-Default-points that are a mixture of the remaining points after the ground classification and would contain bridges, overpasses, buildings, cars, parts of vegetation, etc. 2-Ground the bare earth surface. 8-Model Key-the educated, thinned points to represent the final bare earth surface, the points used to generate the final contours. 9-Water-points inside hydrographic features. 12-Non-Ground-points identified as first of many returns or intermediate of many returns from the LIDAR pulse, most likely vegetation returns or points identified to be not on the ground surface. 15-Road Edges-points that fall within +/-1.5' of road break lines.	Photo Science, Woolpert, LandAir, Kucera, EarthData	http://the.pasda.gov/arcgis/rest/services/PAMAP/MapServer/0/arcgis/export?_lang=en
	Philadelphia (2008)		2008 (April 1-3, 5-8) Leaf-Off	QL3	1.0 m	1 pts/m2	4	Unknown % (not flagged or classified)	1 mile x 1 mile	Sequential unique whole numbers that are automatically generated.	216 tiles 191 sq mi	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet	NAVD 1988	Breaklines DEM (5' & 10') LAS	0-New Classified 1-Unassigned 2-Ground 4-Medium Vegetation 10-Rail	Pictometry	http://the.pasda.gov/arcgis/rest/services/PHIL/0/MapServer/0/arcgis/export?_lang=en
	Philadelphia (2010)		2010 (April 1-3, 5-8) Leaf-Off	QL3	1.0 m	1 pts/m2	4	Unknown % (not flagged or classified)	2,400' x 2,400'	Sequential unique whole numbers that are automatically generated.	1,041 tiles 191 sq mi	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet	NAVD 1988	Breaklines DEM (5' & 10') LAS	0-New Classified 1-Unassigned 2-Ground 7-Noise 10-Rail 13-Wire-Guard	Pictometry	http://the.pasda.gov/arcgis/rest/services/PHIL/0/MapServer/0/arcgis/export?_lang=en
	Philadelphia (2015)		2015 (April 18-19, 22, 25) Leaf-Off	QL2	0.7 m	2 pts/m2	4	Unknown % (not flagged or classified)	2400' x 2400'	Sequential unique whole numbers that are automatically generated.	1,042 tiles 191 sq mi	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet	NAVD 1988	Contours (10') Contours (2') Contours (1') Breaklines DEM (5') Hilshade (5') LAS	0-New Classified 1-Unassigned 2-Ground 7-Noise 10-Rail 13-Wire-Guard	Pictometry	http://the.pasda.gov/arcgis/rest/services/PHIL/0/MapServer/0/arcgis/export?_lang=en
	Philadelphia (2018)		2018 (April) Leaf-Off	QL1	Unknown	8 pts/m2	5	40% (Class 12)	2640' x 2640'	Tile names are xxxxyyyyN representing the northing (N) and easting (E) coordinates of the tile in state plane feet.	954 tiles 239 sq mi	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet	NAVD 1988	DEM Contours (10') Contours (2') LAS	1-Unassigned 2-Ground 3-Low Vegetation 4-Medium Vegetation 5-High Vegetation 6-Buildings 7-Noise 9-Water 10-Rail 12-Overlap 17-Bridge Deck	Unknown	http://the.pasda.gov/arcgis/rest/services/PHIL/0/MapServer/0/arcgis/export?_lang=en
	Lake Erie Watershed (portions of Erie, Crawford Co)		2012 (Nov 11, 18) Leaf-Off	QL3	1.0 m	1 pts/m2	5	30% (Classes 17 & 18)	2,500' x 2,500'	Tile names are xxxxyy representing existing and northing coordinates in state plane (N) feet of southwest corner of tile.	2,610 tiles 512 sq mi	NAD_1983_StatePlane_Pennsylvania_North_FIPS_3701_Feet	NAVD 1988	DEM LAS	1-Default 2-Ground 7-Noise 17-Overlap Default 18-Overlap Ground	Woolpert	http://the.pasda.gov/arcgis/rest/services/LAKE/0/MapServer/0/arcgis/export?_lang=en
	Lake Erie Watershed (portions of Erie, Crawford Co)		2015 (three missions b/t Apr 29-May 7) Leaf-Off	QL2	0.7 m	2 pts/m2	6	30% (Classes 17 & 18)	2,500' x 2,500'	Tile names are xxxxyy representing existing and northing coordinates in state plane (N) feet of southwest corner of tile.	2,610 tiles 512 sq mi	NAD_1983_StatePlane_Pennsylvania_North_FIPS_3701_Feet	NAVD 1988	DEM (2.5') Breaklines LAS	1-Default 2-Ground 3-Low Vegetation 4-Medium Vegetation 5-High Vegetation 6-Buildings 7-Low Point (Noise) 17-Overlap Default 18-Overlap Ground	Woolpert	http://the.pasda.gov/arcgis/rest/services/LAKE/0/MapServer/0/arcgis/export?_lang=en
	Sandy (MD/PA) (Chestor Co)		2014 (December) Leaf-Off	QL2	0.7 m	2 pts/m2	6	25% (Classes 17 & 18)	1,500 m x 1,500 m	U.S. National Grid. Tile name derived from the southwest corner of each tile.	972 tiles	NAD_1983_2011_UTM_Zone_18N_Meters	NAVD 1988	DEM (1m) Intensity LAS	1-Unassigned 2-Ground 7-Noise 9-Water 10-Ignored Ground 17-Overlap Default 18-Overlap Ground	Woolpert	http://the.pasda.gov/arcgis/rest/services/SANDY/0/MapServer/0/arcgis/export?_lang=en

	Sandy (NJ/PA) York, Lancaster Co	2014 (Nov 25-Dec27)	Leaf-Off	QL2	0.7 m	2 pts/m2	7	Unknown % (not flagged or classified)	1,500 m x 1,500 m	U.S. National Grid. Tile name derived from the southwest corner of each tile.	2,340 tiles	NAD_1983_2011_UTM_Zone_18N_Meters	NAVD 1988	DEM (1m) Intensity LAS	1-Unassigned 2-Ground 7-Noise 9-Water 10-Ignored Ground	Furgo	http://the.psu.edu/arc/swis/arcswis0104/arcswis010404/
	Allegheny Co	2015	Leaf-Off	QL2	Unknown	2 pts/m2	4	30% (Class 12)	0.5 mile x 0.5 mile	Tile name derived from the southwest corner of each tile.	3,354 tiles	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet	NAVD 1988	DEM (6') DSM Hillshade (6') Terrain Breaklines Contours (2') LAS	1-Unassigned 2-Ground 6-Building 7-Noise 9-Water 12-Overlap Points	Pictometry	http://the.psu.edu/arc/swis/arcswis0104/arcswis010404/
	Penn State Campus (portion of Centre Co)	2015 (April 13)	Leaf-Off	QL2	0.5 m	4 pts/m2	7	25% (Class 17 & 18)	1,250' x 1,250'	Sequential unique whole numbers that are automatically generated.	808 tiles 45 sq mi	NAD_1983_StatePlane_Pennsylvania_North_FIPS_3701_Feet	NAVD 1988	DEM LAS	1-Default 2-Ground 3-Low Vegetation 4-Medium Vegetation 5-High Vegetation 6-Buildings 7-Noise 17-Overlap Default 18-Overlap Ground	Woolpert	http://the.psu.edu/arc/swis/arcswis0104/arcswis010404/
	Penn State Campus (portion of Centre Co)	2017 (April 4)	Leaf-Off	QL2	0.5 m	4 pts/m2	5	25% (Class 17 & 18)	1,250' x 1,250'	Sequential unique whole numbers that are automatically generated.	808 tiles 45 sq mi	NAD_1983_StatePlane_Pennsylvania_North_FIPS_3701_Feet	NAVD 1988	DEM LAS	1-Default 2-Ground 3-Low Vegetation 4-Medium Vegetation 5-High Vegetation 6-Buildings 7-Noise 17-Overlap Default 18-Overlap Ground	Woolpert	http://the.psu.edu/arc/swis/arcswis0104/arcswis010404/
	Dauphin Co	2016 (Mar 24-26)	Leaf-Off	QL2	0.7 m	2.26 pts/m2	5	40% (Overlap Flag)	5,000' x 5,000' (PAMAP quarter-tiles)	yyyyxxxPad yyyy=first 4 digits of northing coor for tile's NW corner xxxx=first 4 digits of easting coor for tile's NW corner PA=state identifier #=state plane zone (north or south)	711 tiles 555 sq mi	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet	NAVD 1988	Contours (2') DEM (2.5') Intensity Terrain Breaklines LAS	1-Unassigned 2-Ground 7-Noise 8-Model Key 9-Water 10-Rail 17-Bridge Deck 18-High Noise	Quantum Spatial	http://the.psu.edu/arc/swis/arcswis0104/arcswis010404/
	City of Allentown (Portion of Lehigh Co)	2016 (Mar 26)	Leaf-Off	QL1	0.35 m	2 pts/m2	9	25% (Overlap Flag)	2,500' x 2,500'	Tile names are derived from client-provided naming schema.	129 tiles 20 sq miles	NAD_1983_StatePlane_Pennsylvania_South_FIPS_3702_Feet	NAVD 1988	DEM Intensity Breaklines LAS	1-Default 2-Ground 7-Low Point (noise) 9-Water 10-Ignored Ground (3' buffer of hydro features) 17-Bridge Deck 18-High Noise	Quantum Spatial	http://the.psu.edu/arc/swis/arcswis0104/arcswis010404/
	DVRPC (Delaware, Philadelphia, Montgomery, Bucks Co)	2015 (Spring)	Leaf-Off	QL2	0.7 m	2 pts/m2	6	30% (Overlap Flag)	1,500 m x 1,500 m	U.S. National Grid. Tile name derived from the southwest corner of each tile.	3752 tiles 3,260 sq mi	NAD_1983_2011_UTM_Zone_18N_Meters	NAVD 1988	DEM Intensity LAS Breaklines	1-Unassigned 2-Ground 7-Low Point (noise) 9-Water 10-Rail 17-Bridge Deck	Quantum Spatial	http://the.psu.edu/arc/swis/arcswis0104/arcswis010404/
	Indian Town Gap (portions of Dauphin, Lebanon Co)	2017 (March 29)	Leaf-Off	QL1	Unknown	4.179 pts/m2	5	Unknown % (not flagged or classified)	1 km x 1 km	U.S. National Grid. Tile name derived from the northwest corner of each tile.	218 tiles	NAD_1983_2011_UTM_Zone_18N_Meters	NAVD 1988	DEM Slope Hillshade Breaklines LAS (unclassified)	1-Unassigned 7-Low Point (noise) 8-Model Key 9-Water 10-Ground points outside of hydro features but w/in 1 m of hydro breaklines 12-Overlap points exceeding scan angles of +/-20 degrees 18-High Noise (Points above the treeline)	Continental Mapping Consultants / Keystone Aerial Surveys	http://the.psu.edu/arc/swis/arcswis0104/arcswis010404/
	30EP (17 counties)	2018 (Spring)	Leaf-Off	QL2	TBD	TBD	TBD	TBD	1,500 m x 1,500 m	U.S. National Grid. Tile name derived from the southwest corner of each tile.		NAD_1983_2011_UTM_Zone_18N_Meters	NAVD 1988	DEM (1m) Breaklines LAS	TBD	Quantum Spatial	¹⁰⁰
	Portion of Sullivan Co	2018 (Apr 11)	Leaf-Off	QL1	0.35 m	Unknown	7	30% (Overlap Flag)	1,000 m x 1,000 m	Tile name derived from the southwest corner of each tile.	24 tiles 6.04 sq mi	NAD_1983_2011_UTM_Zone_18N_Meters	NAVD 1988	DEM (0.5 m) DSM (0.5 m) Intensity (0.5 m) LAS	1-Default 2-Ground 7-Low Point (noise) 17-Bridge	Quantum Spatial	¹⁰⁰