

Instrument data naming convention

Individual tree point clouds

gpv1_[plotname]_[treeID]_pts.txt

gpv1:

sensor category (gp): ground LiDAR

instrument (v1): Riegl VZ400

Individual tree cylinder models

gpv1_[plotname]_[treeID]_[numberOfRun]_cylmodel.txt

gpv1:

sensor category (gp): ground LiDAR

instrument (v1): Riegl VZ400

Data attributes

Individual tree point clouds

COLUMN 1: x[m]

COLUMN 2: y[m]

COLUMN 3: z[m]

The coordinate system is oriented to true north and relative to the centre of the plot (0,0,0).

Individual tree cylinder models

COLUMN 1: Radii of the cylinders

COLUMN 2: Lengths of the cylinders

COLUMN 3: Starting points of the cylinders, x-coordinate

COLUMN 4: Starting points of the cylinders, y-coord

COLUMN 5: Starting points of the cylinders, z-coord

COLUMN 6: Axes of the cylinders, x-component

COLUMN 7: Axes of the cylinders, y-comp

COLUMN 8: Axes of the cylinders, z-comp

COLUMN 9: Parent cylinder of each cylinder

COLUMN 10: Extension cylinder of each cylinder

COLUMN 11: Branch of the cylinders

COLUMN 12: Branch order of the cylinders

COLUMN 13: Running index of the cylinders in the branch (1 = base)

COLUMN 14: Logical vector indicating cylinders that are added to fill gaps

The coordinate system is oriented to true north and relative to the centre of the plot (0,0,0).