Metric	Abbreviation	Description	Units	Reference
Mean maximum canopy height	MMCH	Mean of maximum height of the outer canopy in 1 m^2 voxels	m	Atkins et al. (2018)
Maximum canopy height	MCH	Maximum canopy height	m	Roussel et al. (2020)
25^{th} quantile of canopy height	q25	The 25th quantile of heights from the point cloud	m	Roussel et al. (2020)
50^{th} quantile of canopy height	q50	The 50th quantile of heights from the point cloud	m	Roussel et al. (2020)
Canopy gap fraction profile	GFP	The mean gap fraction profile in each 1 m horizontal slice of the point cloud	Fraction	Bouvier et al. (2015)
Canopy deep gap fraction	DGF	The fraction of 1 m^2 cell that have a zero height (deep gap) relative to cells with a positive height in a gridded canopy height model	Fraction	Atkins et al. (2018)
Canopy cover fraction	CF	One minus the deep gap fraction	Fraction	Atkins et al. (2018)
Vegetation area index	VAI	Sum of the 1 m horizontal slices of leaf area density values from point cloud area	∑ leaf area m3/m2	LaRue et al. (2020)
Rumple	rumple	A ratio of outer canopy surface area to ground surface area of a 1 m^2 gridded canopy height model	Ratio	Jenness (2004)

Top rugosity	top.rugosity	The standard deviation of outer canopy heights in a 1 m^2 gridded canopy height model	m	LaRue et al. (2020)
Vertical standard deviation of canopy height	vert.sd	The standard deviation of point heights in the point cloud	m	Roussel et al. (2020)
Vertical coefficient of variation of canopy height	vertCV	The coefficient of variation of point heights in the point cloud (standard deviation divided by the mean point heights)	unitless	Roussel et al. (2020)
Horizontal standard deviation of vertical standard deviation of canopy height	sd.sd	The horizontal standard deviation of vertical standard deviation of point heights within 1 m^2 voxels across the plot area	m	LaRue et al. (2020)
Canopy height entropy	entropy	The diversity and evenness of point cloud heights from partitioning the point cloud in 1 m tall horizontal slices. Higher values indicate more evenly distributed points across the 1 m tall slices	unitless (ranges from 0 – 1)	Roussel et al. (2020)
Vertical complexity index	VCI	Fixed normalization of entropy of 1 m height bins within the plot	unitless	van Ewijk et al. (2011)