

Harvard Forest Data Archive HF107-01

Data File:

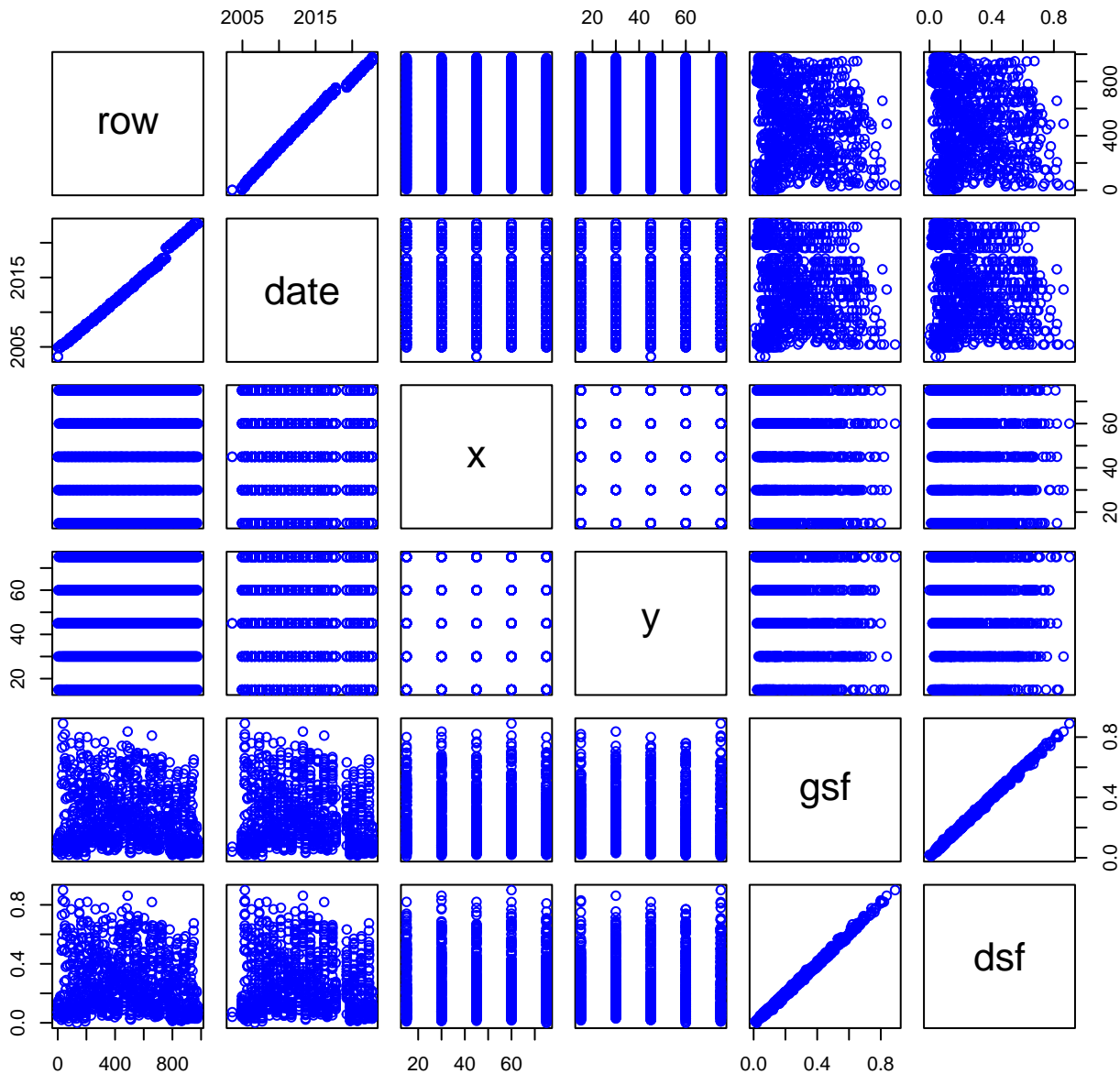
Name = hf107-01-light.csv
Description = light data
Rows = 6838 Columns = 16
MD5 checksum = 144cb3db6e6b3df5e54ab27997f1a901

Variables:

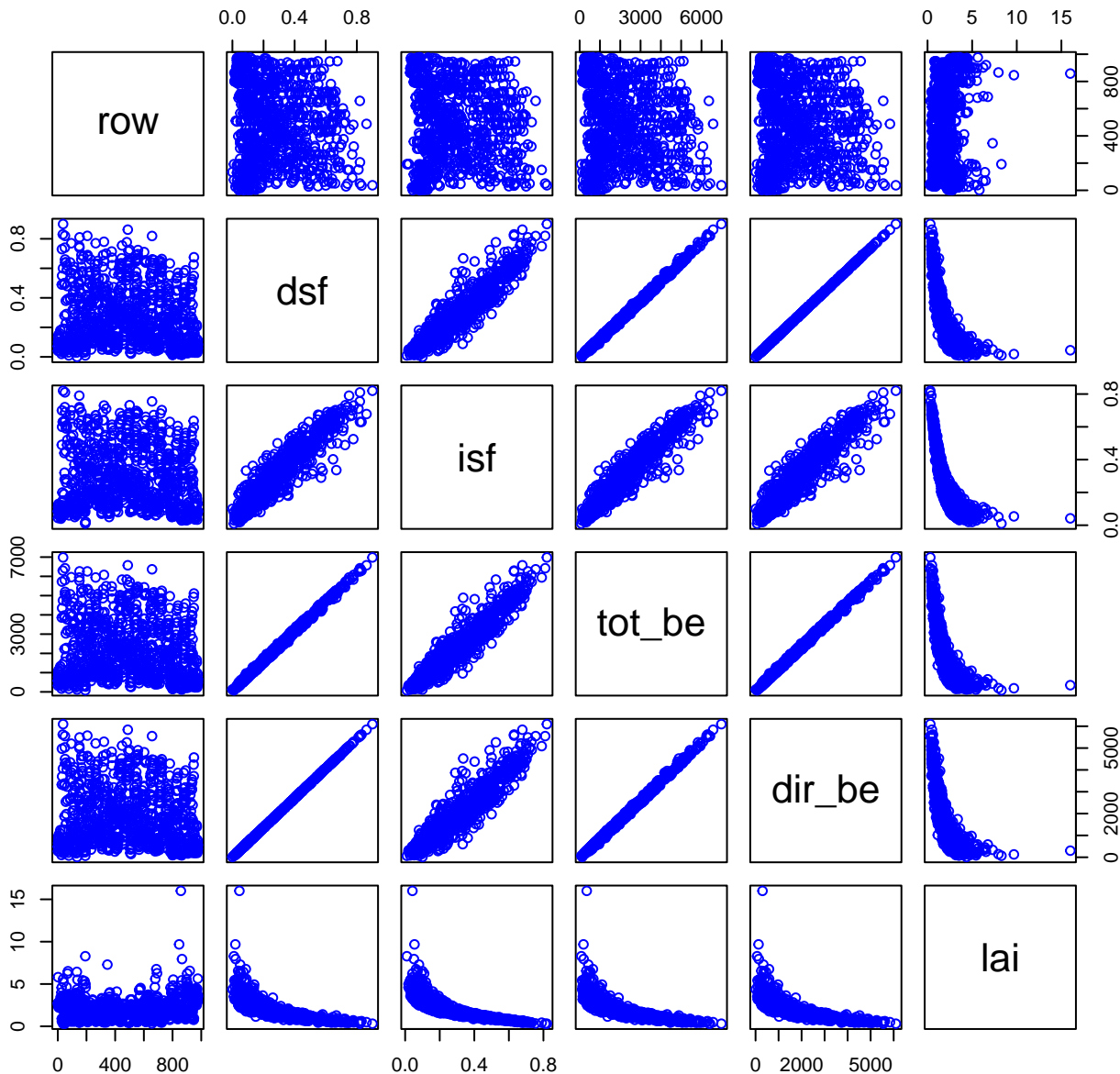
date = date photograph taken
x = x-coordinate location, in meters, of the sample. Each plot of the Simes Tract is 90 x 90 m. (meter)
y = y-coordinate location, in meters, of the sample. Each plot at the Simes Tract is 90 x 90 m. (meter)
gsf = estimated proportion of global radiation (direct plus diffuse) under a plant canopy relative to that in the open (range: 0 - 1). (number)
dsf = estimated proportion of direct solar radiation reaching a given location, relative to that in a location with no sky obstruction (range: 0 - 1). (number)
isf = estimated proportion of diffuse solar radiation reaching a given location, relative to a location with no sky obstruction (range: 0 - 1). (number)
tot_be = estimated total radiation below the canopy, corrected for interception surface orientation (units: MJ m⁻² yr⁻¹) (range: greater than 0). (megajoulePerMeterSquaredPerYear)
dir_be = estimated direct radiation below the canopy, corrected for interception surface orientation (units: MJ m⁻² yr⁻¹) (range: greater than 0). (megajoulePerMeterSquaredPerYear)
lai = estimated leaf area index for the entire canopy (range: greater than 0) (number)
groundcover = estimated overall fraction of ground covered by canopy (range: 0 - 1). (number)
lai_dev = estimated uniformity of the canopy across the image (range: greater than 0) (number)
threshold = user-specified value used to classify the image into black and white pixels (range 0 - 255) (number)

Variable	Min	Median	Mean	Max	NAs
date	2003-08-11	2013-04-07	2013-06-20	2022-09-21	0
x	15.000	45.000	44.481	75.000	0
y	15.000	45.000	45.000	75.000	0
gsf	0.000	0.220	0.269	0.890	9
dsf	0.000	0.217	0.267	0.900	9
isf	0.000	0.233	0.280	0.830	9
tot_be	24.000	1718.000	2111.752	6989.000	9
dir_be	7.000	1466.000	1808.179	6095.000	9
lai	0.290	1.900	2.108	16.000	9
gndcover	0.000	0.576	0.503	0.990	9
lai_dev	0.250	1.860	2.021	11.000	9
threshold	13.000	129.000	125.395	249.000	167

HF107-01 Plot 1



HF107-01 Plot 2



HF107-01 Plot 3

