

Harvard Forest Data Archive HF194-01

Data File:

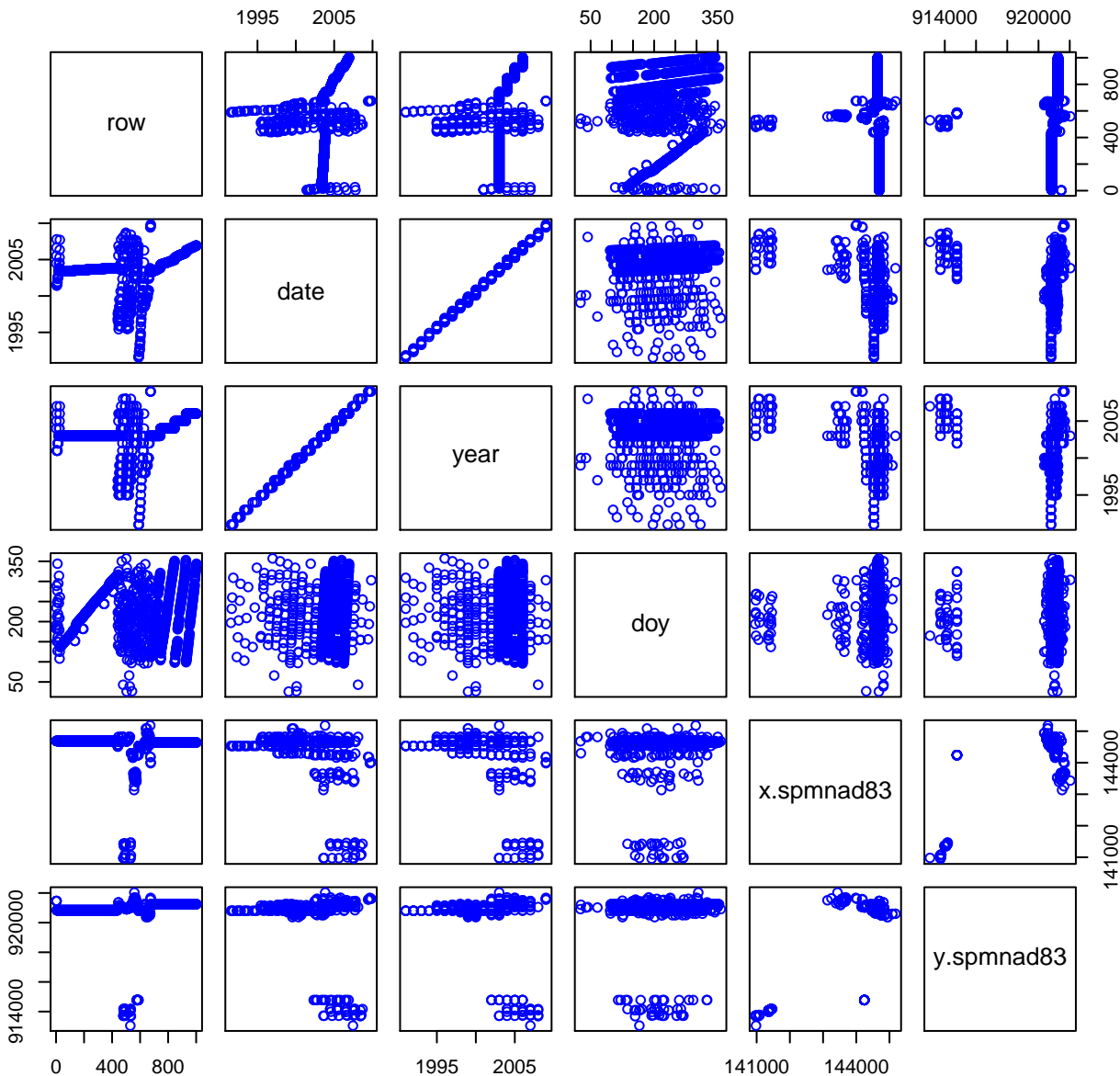
Name = hf194-01-soil-resp.csv
Description = hf soil respiration synthesis
Rows = 106192 Columns = 40
MD5 checksum = e4d844a8bf6cb239cb4502a525c51a1e

Variables:

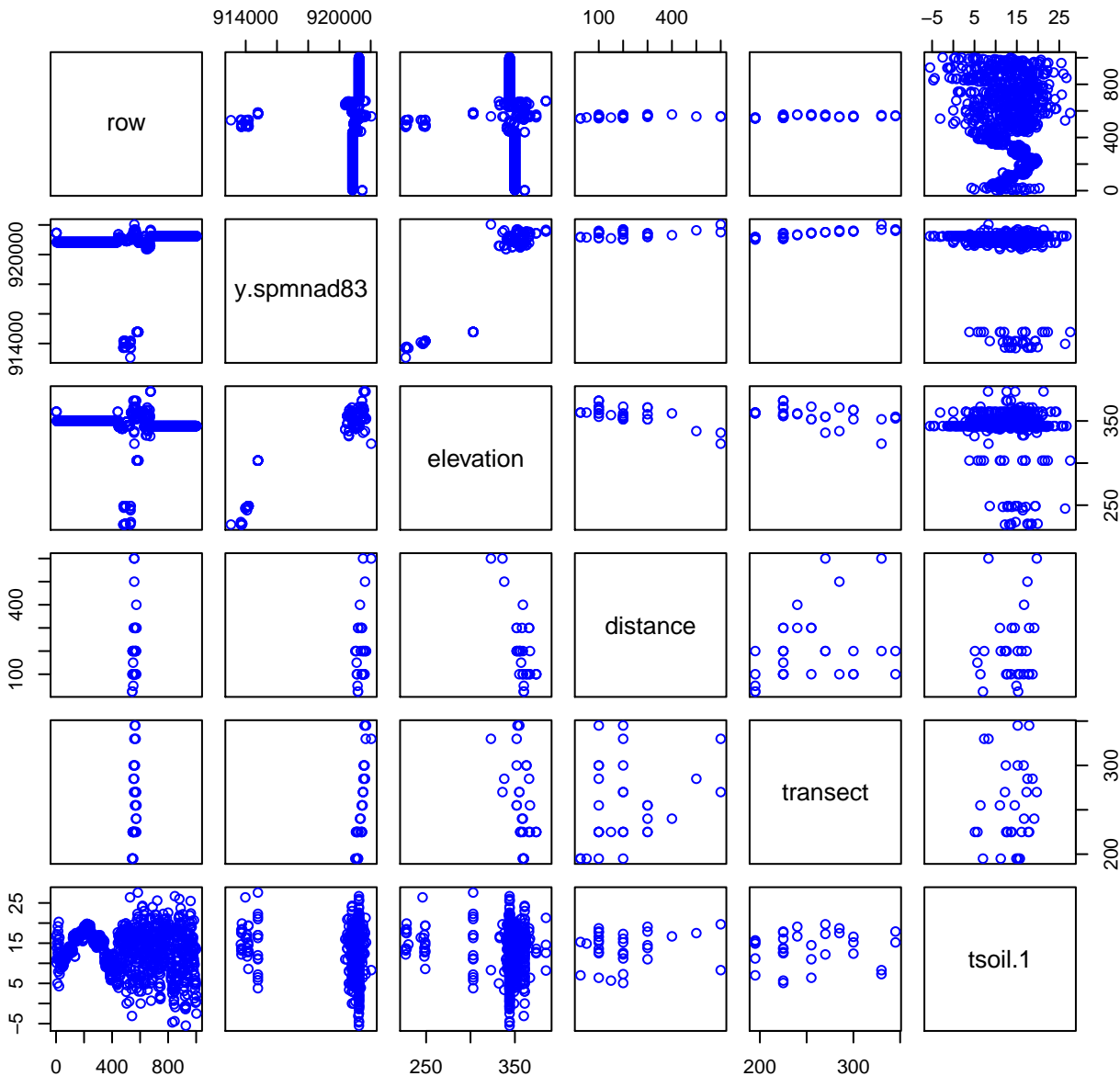
date = date of measurement
year = year of measurement
doy = day of year (nominalDay)
x.spmnad83 = x coordinate of site in state plane meters (meter)
y.spmnad83 = y coordinate of site in state plane meters (meter)
elevation = elevation of site (meter)
distance = distance from tower (LPH or Hemlock) (meter)
transect = compass direction from Hemlock or LPH tower from
 geographic north (degree)
tsoil.1 = soil temperature 1 (celsius)
tsoil.1.depth = depth at which tsoil1 was measured (centimeter)
tsoil.2 = soil temperature 2 (celsius)
tsoil.2.depth = depth at which tsoil2 was measured (centimeter)
co2.flux = flux of carbon dioxide (soil respiration)
 (micromolePerMeterSquaredPerSecond)
range.min = minimum CO2 concentration measured (ppm) (dimensionless)
range.mean = mean CO2 concentration measured (ppm) (dimensionless)
range.max = maximum CO2 concentration measured (ppm) (dimensionless)
x.cutoff = time on the curve after which the mean of the 1st
 derivative was calculated (second)
mean.slope = mean of the 1st derivative (ppm/s) (dimensionless)
stdev.slope = standard deviation of the 1st derivative (ppm/s)
 (dimensionless)
n.pts = number of points used to calculate the mean of the 1st
 derivative (number)
collar.height = collar height (meter)

Variable	Min	Median	Mean	Max	NAs
date	1991-06-20	2003-09-13	2003-07-24	2009-10-30	836
year	1991.000	2003.000	2002.960	2009.000	0
doy	4.000	222.000	220.765	365.000	0
x.spmnad83	140943.000	144681.090	144535.408	145180.840	3
y.spmnad83	913032.000	920836.130	920739.300	922141.080	3
elevation	227.000	350.000	344.889	385.000	3
distance	25.000	200.000	214.143	800.000	102760
transect	195.000	255.000	265.804	345.000	102760
tsoil.1	-7.500	14.100	13.333	41.600	1712
tsoil.1.dept	2.000	8.500	8.541	10.000	34640
tsoil.2	0.000	15.000	14.688	28.500	104770
tsoil.2.dept	4.000	4.000	4.000	4.000	104770
co2.flux	-0.600	2.960	3.371	24.510	0
range.min	51.750	377.610	379.658	573.260	101538
range.mean	373.100	411.400	416.202	510.300	105823
range.max	364.120	470.455	484.709	978.120	101538
x.cutoff	22.590	153.290	152.356	312.610	101538
mean.slope	0.020	0.450	0.496	3.540	101169
stdev.slope	0.000	0.040	0.061	0.850	101538
n.pts	2.000	14.000	16.266	58.000	101538
collar.heigh	0.028	0.120	0.126	0.210	96903

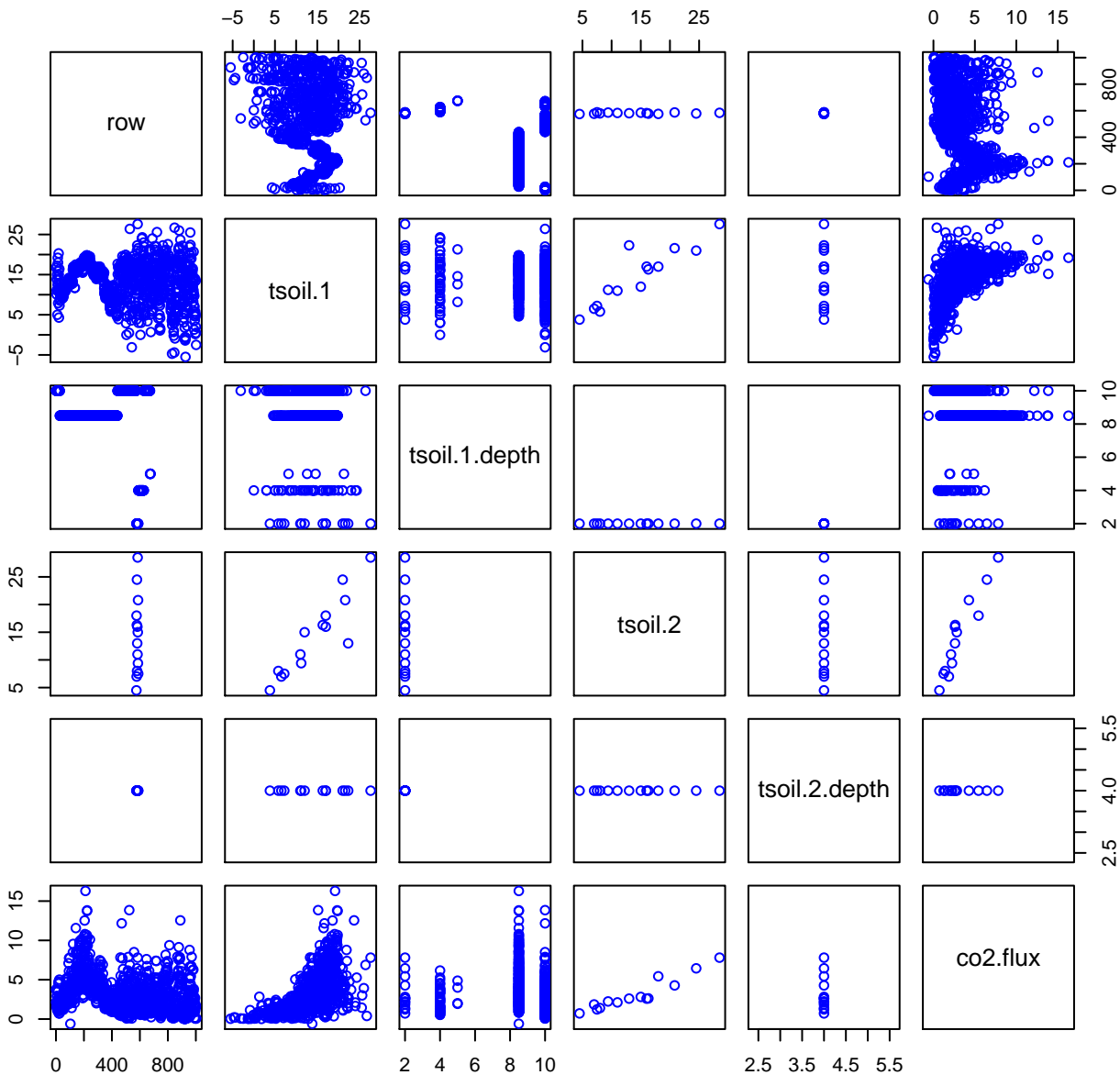
HF194-01 Plot 1



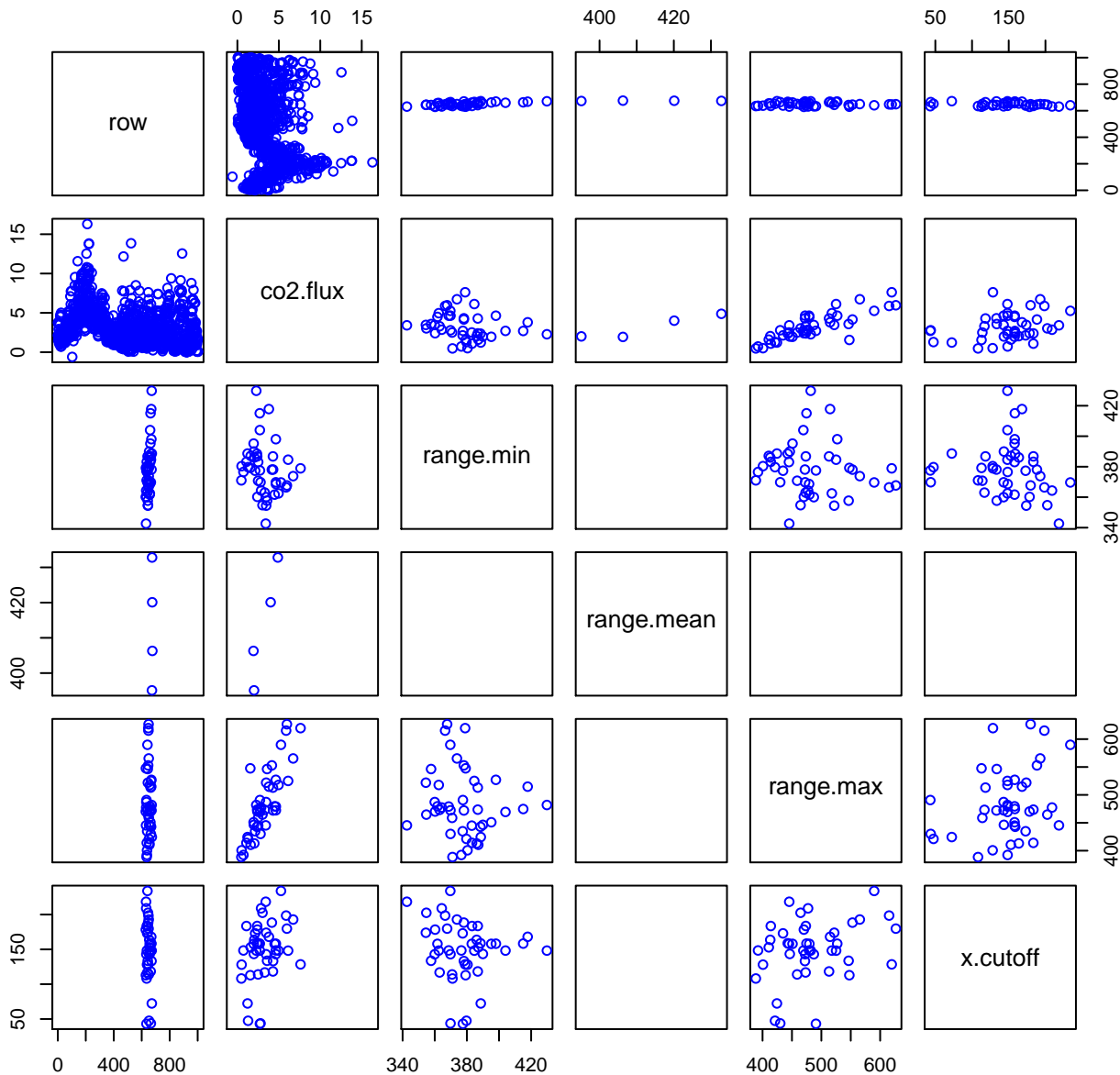
HF194-01 Plot 2



HF194-01 Plot 3



HF194-01 Plot 4



HF194-01 Plot 5

