

Harvard Forest Data Archive HF221-01

Data File:

Name = hf221-01-respiration.csv

Description = respiration

Rows = 364 Columns = 24

MD5 checksum = f81f08e2da64fe09a6337b71443752d3

Variables:

datetime = date and time of measurement

date = date of measurement

log.weight = wet weight of log at time of each measurement (gram)

dry.weight = oven dried weight of log (gram)

water.content = percent log water content derived from dry and wet
log

weights (dimensionless)

log.temp = log temperature (celsius)

air.temp = air temperature (celsius)

air.rh = air relative humidity (dimensionless)

soil.temp = soil temperature (celsius)

co2.ppm = change in CO2 from start to end of measurement
(dimensionless)

co2.mol = change in CO2 from start to end of measurement (mole)

air.pressure = air pressure (pascal)

system.vol = system volume (cubicMeter)

log.surface = log surface area (squareMeter)

log.volume = log volume (cubicMeter)

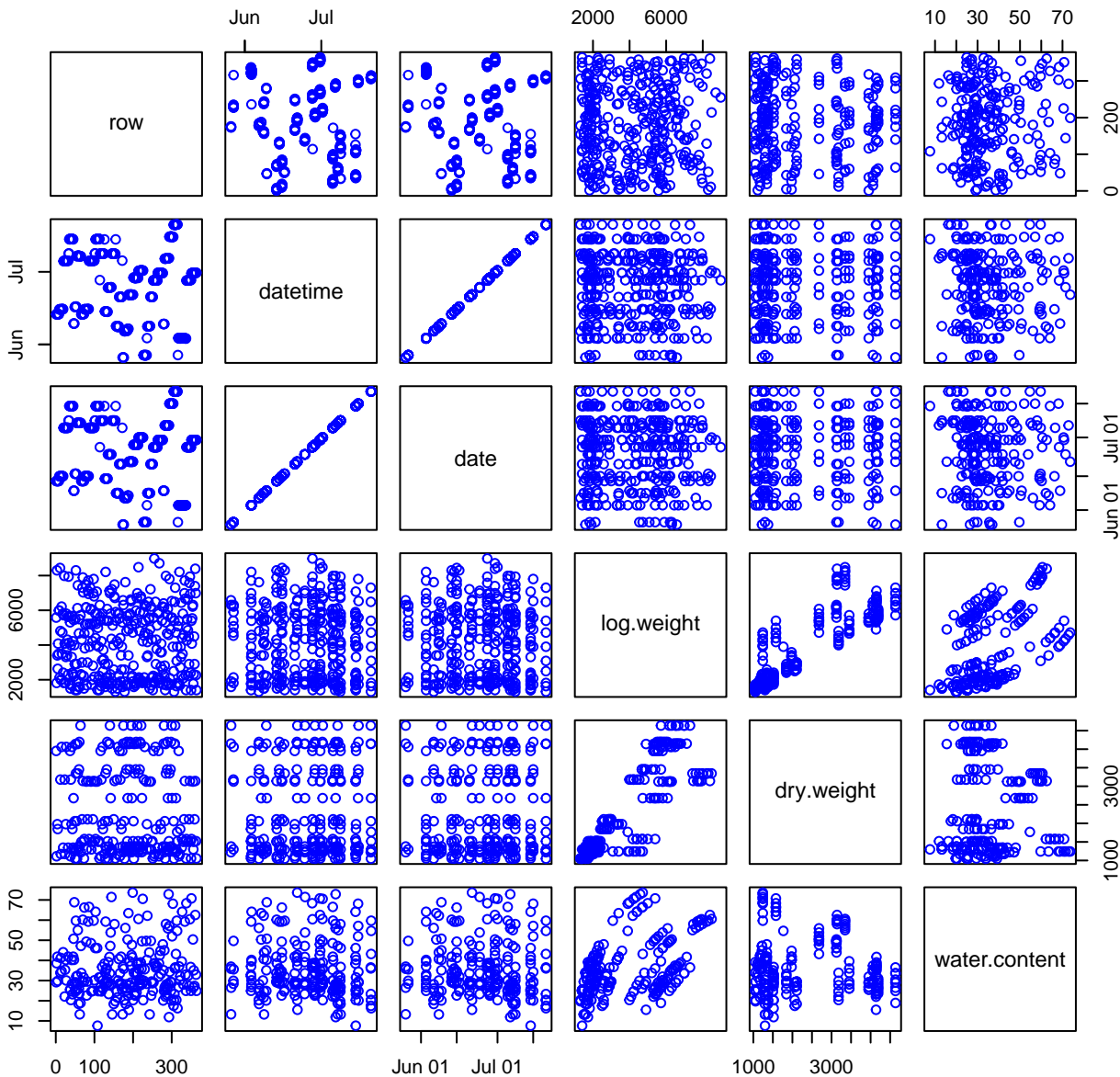
meas.time = measurement total time (second)

respiration1 = rate of log respiration
(gramsPerMeterSquaredPerSecond)

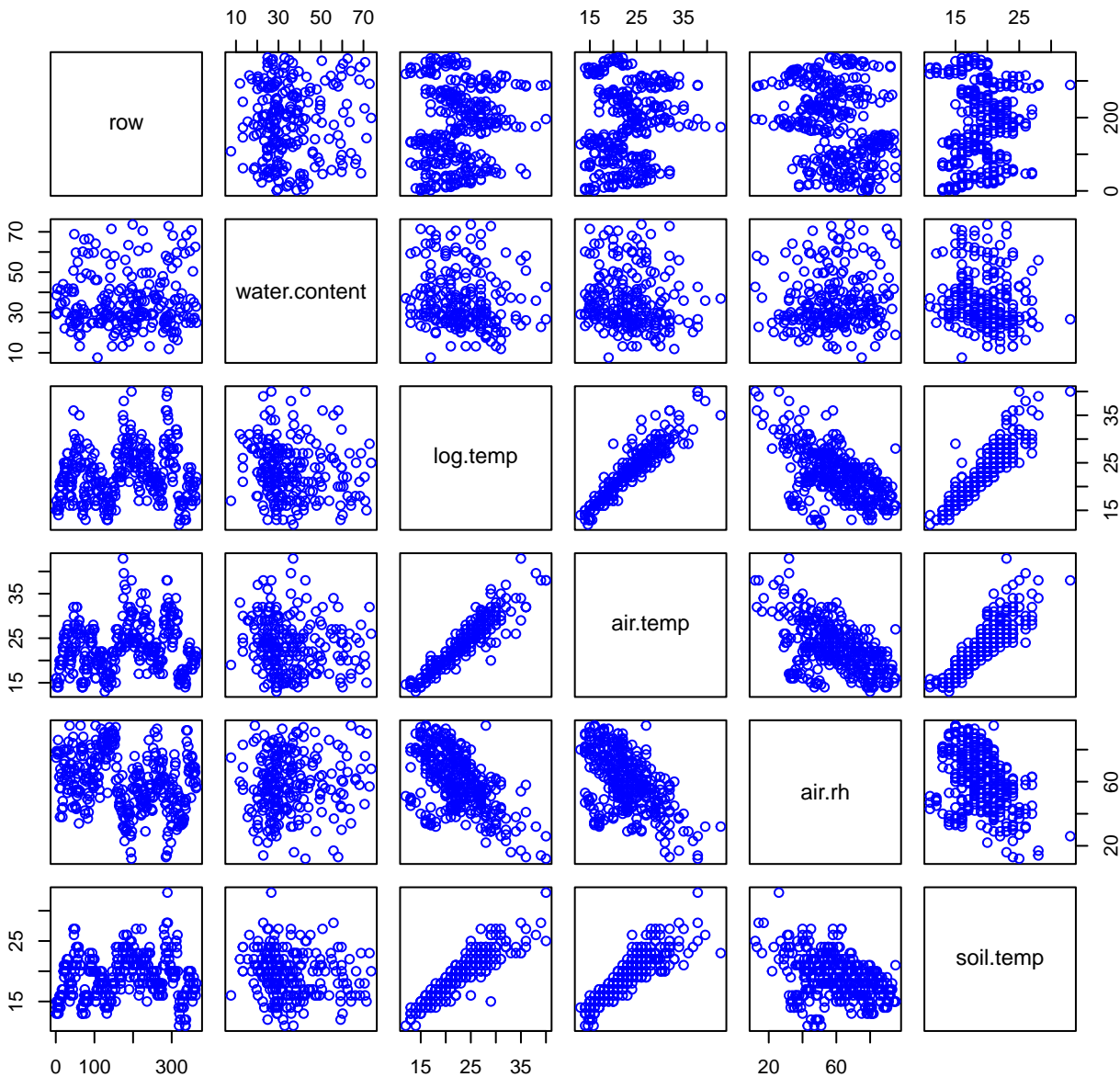
respiration2 = rate of log respiration (gramsPerMeterSquaredPerHour)

Variable	Min	Median	Mean	Max	NAs
datetime	2011-05-26T13:41		2011-07-20T13:39		0
date	2011-05-26	2011-06-27	2011-06-24	2011-07-20	0
log.weight	1315.418	4218.409	4197.025	8981.129	14
dry.weight	1049.000	1846.000	2302.387	4636.000	121
water.conten	7.619	31.283	35.290	73.651	130
log.temp	12.000	22.000	22.455	40.000	10
air.temp	13.000	22.000	22.732	42.900	0
air.rh	12.000	60.000	60.280	95.000	0
soil.temp	11.000	19.000	19.005	33.000	0
co2.ppm	1.500	51.000	45.979	61.500	0
co2.mol	0.000	0.000	0.000	0.000	0
air.pressure	96047.620	96894.860	96864.055	97427.900	0
system.vol	0.105	0.112	0.112	0.117	0
log.surface	0.137	0.260	0.240	0.363	0
log.volume	0.003	0.008	0.007	0.015	0
meas.time	82.300	508.000	548.970	936.500	0
respiration1	0.000	0.000	0.000	0.000	0
respiration2	0.007	0.303	0.364	1.338	0

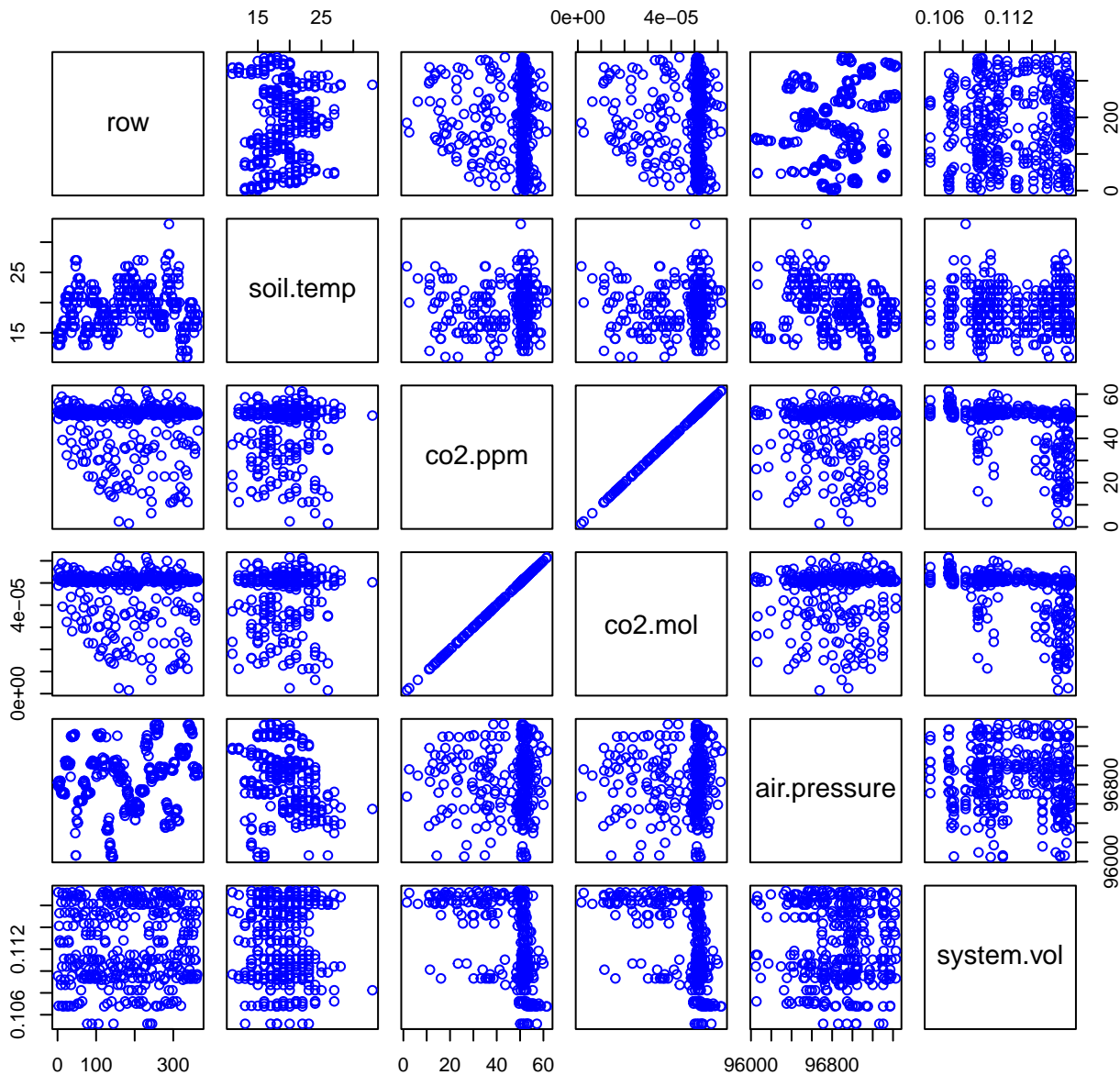
HF221-01 Plot 1



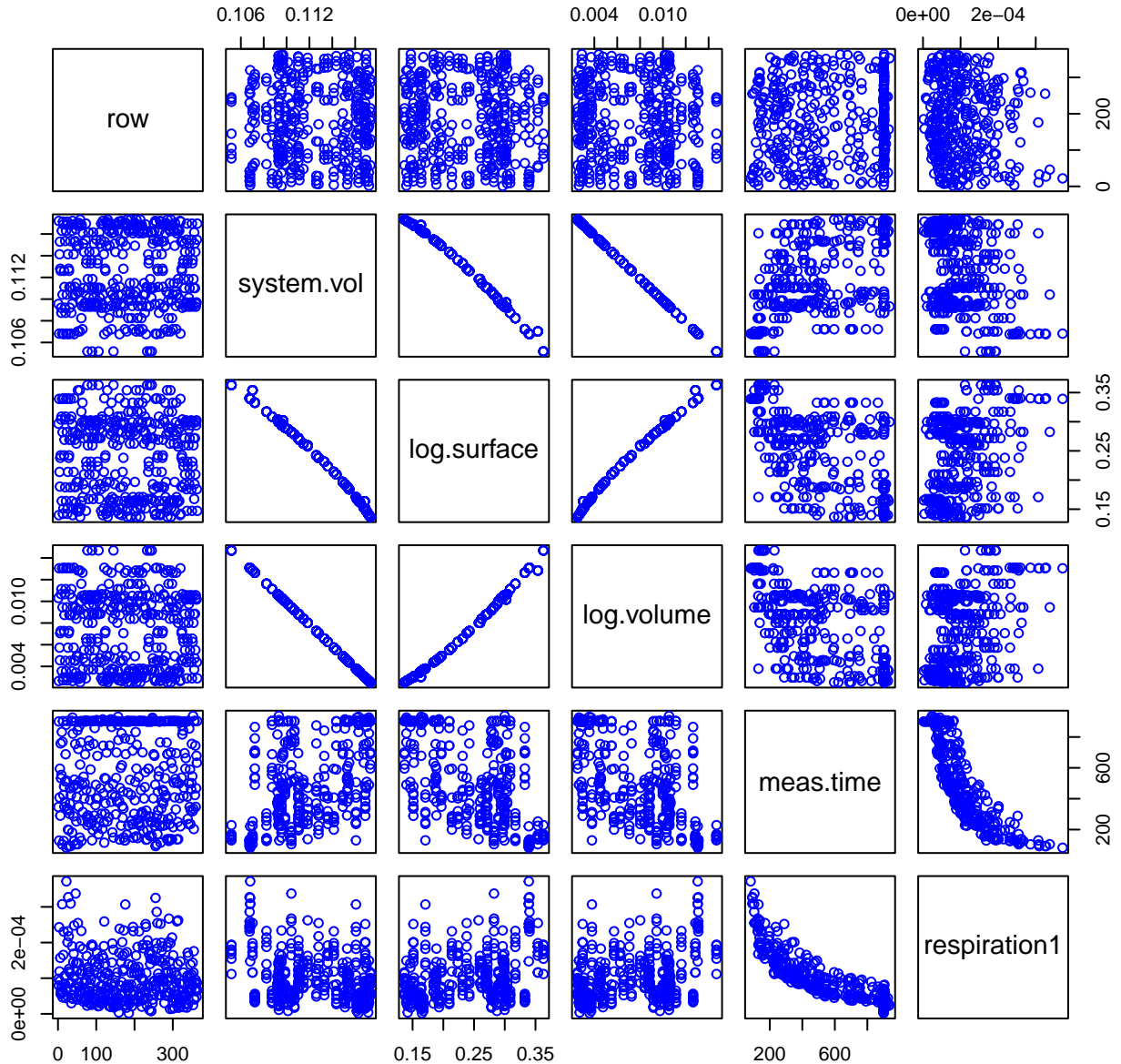
HF221-01 Plot 2



HF221-01 Plot 3



HF221-01 Plot 4



HF221-01 Plot 5

