

Harvard Forest Data Archive HF005-01

Data File:

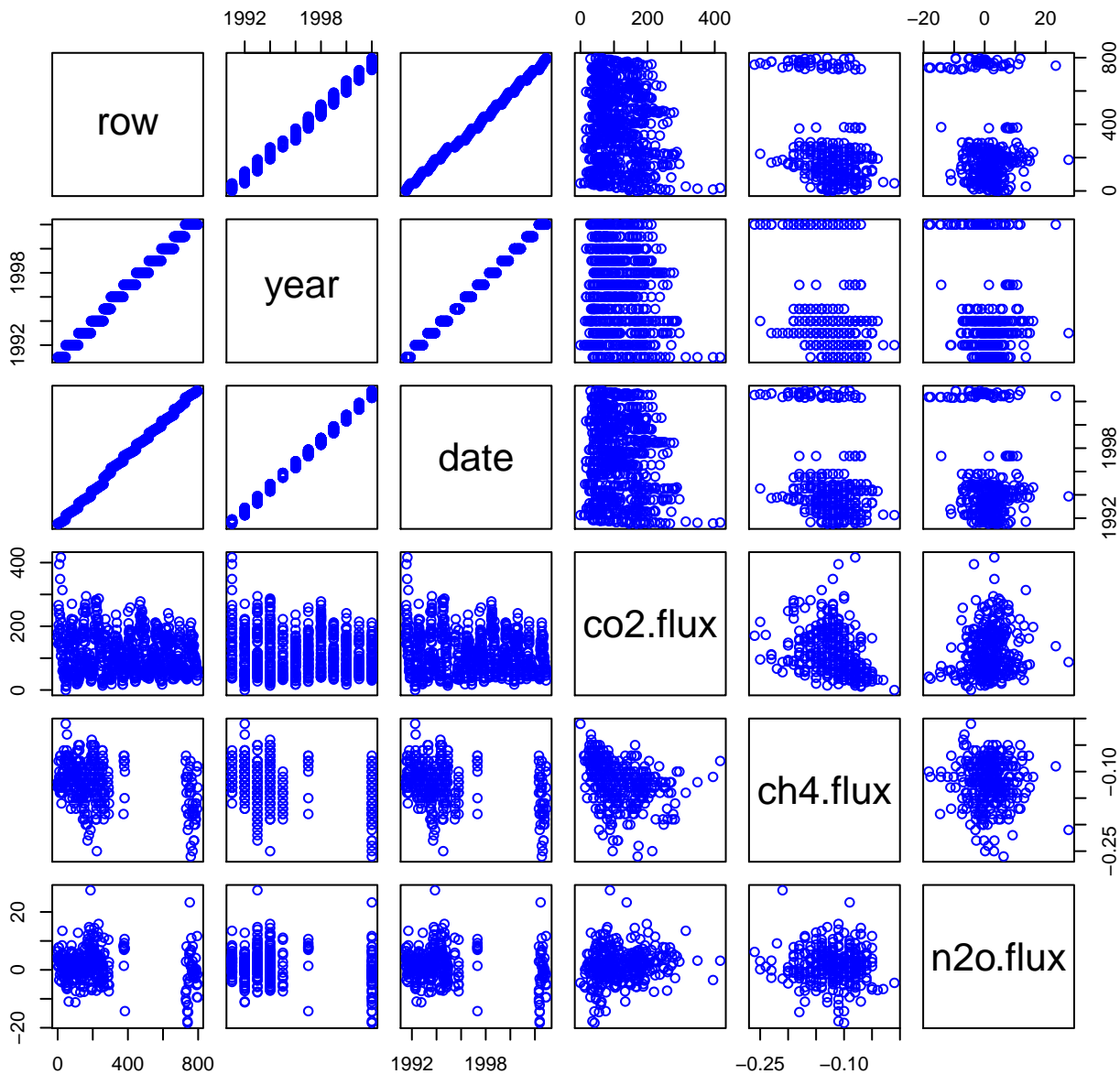
Name = hf005-01-trace-gas.csv  
Description = trace gas flux  
Rows = 1593 Columns = 13  
MD5 checksum = e50edb970ba9bfd6d619ce69be9154a5

Variables:

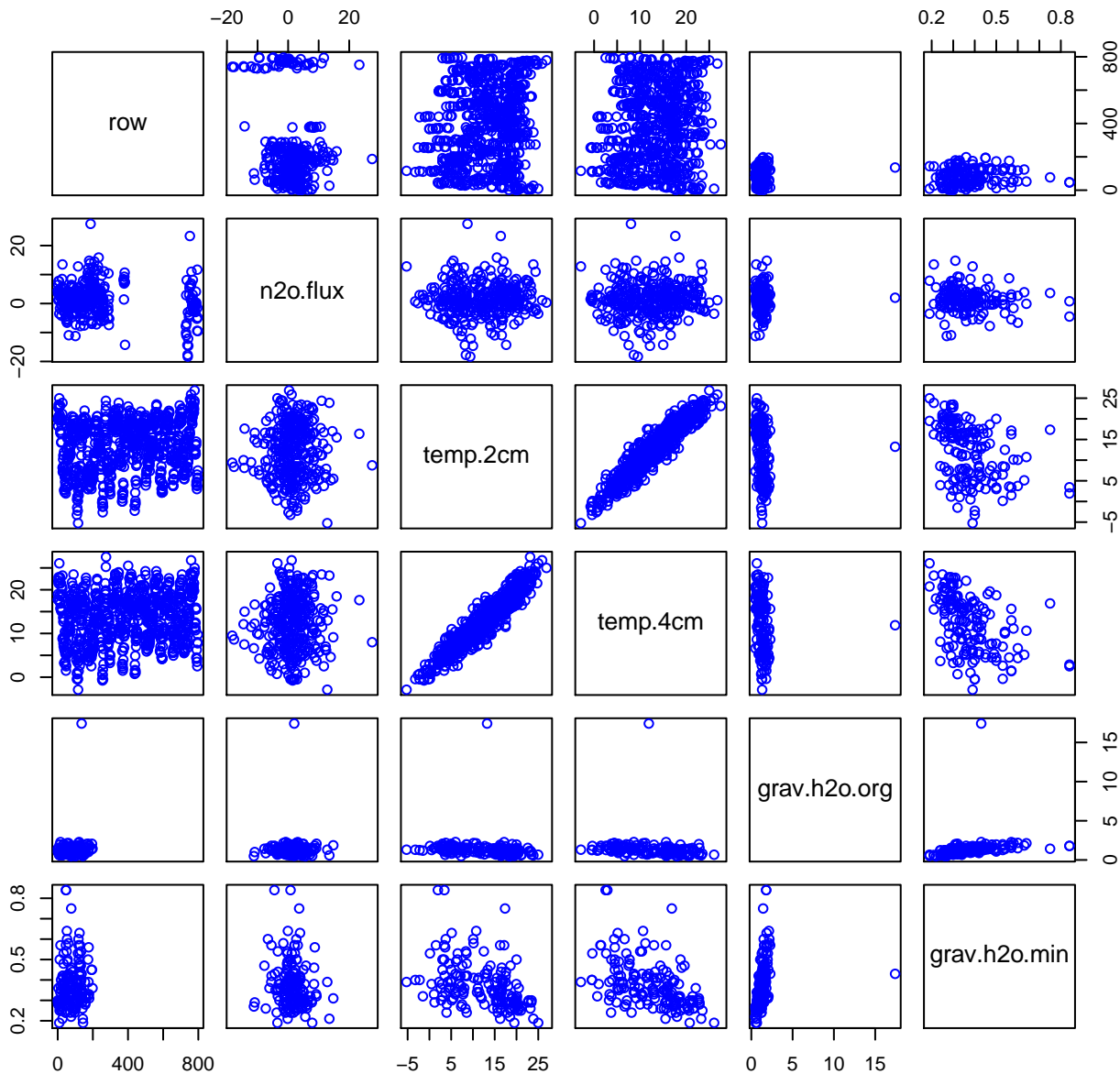
year = year  
date = sample date  
co2.flux = CO2 flux (mg C/m<sup>2</sup>/hr). Samples collected every 5 min for 15 min using a static chamber method. Samples analyzed by infrared analysis (milligramPerMeterSquaredPerHour)  
ch4.flux = CH4 flux (mg C/m<sup>2</sup>/hr). Samples collected every 5 min for 15 min using a static chamber method. Samples were analyzed by gas chromatography. (milligramPerMeterSquaredPerHour)  
n2o.flux = N2O flux (ug N/m<sup>2</sup>/hr). Samples collected every 5 min for 15 min using a static chamber method. Samples were analyzed by gas chromatography. (microgramPerMeterSquaredPerHour)  
temp.2cm = soil temperature at 2 cm depth taken at the time of gas sampling (celsius)  
temp.4cm = soil temperature at 4 cm depth taken at the time of gas sampling (celsius)  
grav.h2o.org = organic gravimetric soil water (g H2O/g soil) (gramsPerGram)  
grav.h2o.min = mineral gravimetric soil water (g H2O/g soil) (gramsPerGram)  
vol.h2o = soil water (cm<sup>3</sup> H2O/cm<sup>3</sup> soil) measured using time domain reflectometry (TDR) (cubicCentimetersPerCubicCentimeters)

Variable	Min	Median	Mean	Max	NAs
year	1991.000	1997.000	1996.695	2002.000	0
date	1991-07-16	1997-06-24	1997-04-16	2002-11-25	0
co2.flux	-0.150	96.005	109.079	416.290	9
ch4.flux	-0.280	-0.120	-0.123	-0.010	921
n2o.flux	-19.390	1.300	1.211	27.500	930
temp.2cm	-5.250	14.000	13.277	26.880	0
temp.4cm	-3.000	14.000	13.494	29.130	0
grav.h2o.org	0.470	1.230	1.332	17.410	1278
grav.h2o.min	0.150	0.360	0.389	1.050	1278
vol.h2o	0.030	0.240	0.240	0.820	245

# HF005-01 Plot 1



# HF005-01 Plot 2



# HF005-01 Plot 3

