

Harvard Forest Data Archive HF209-03

Data File:

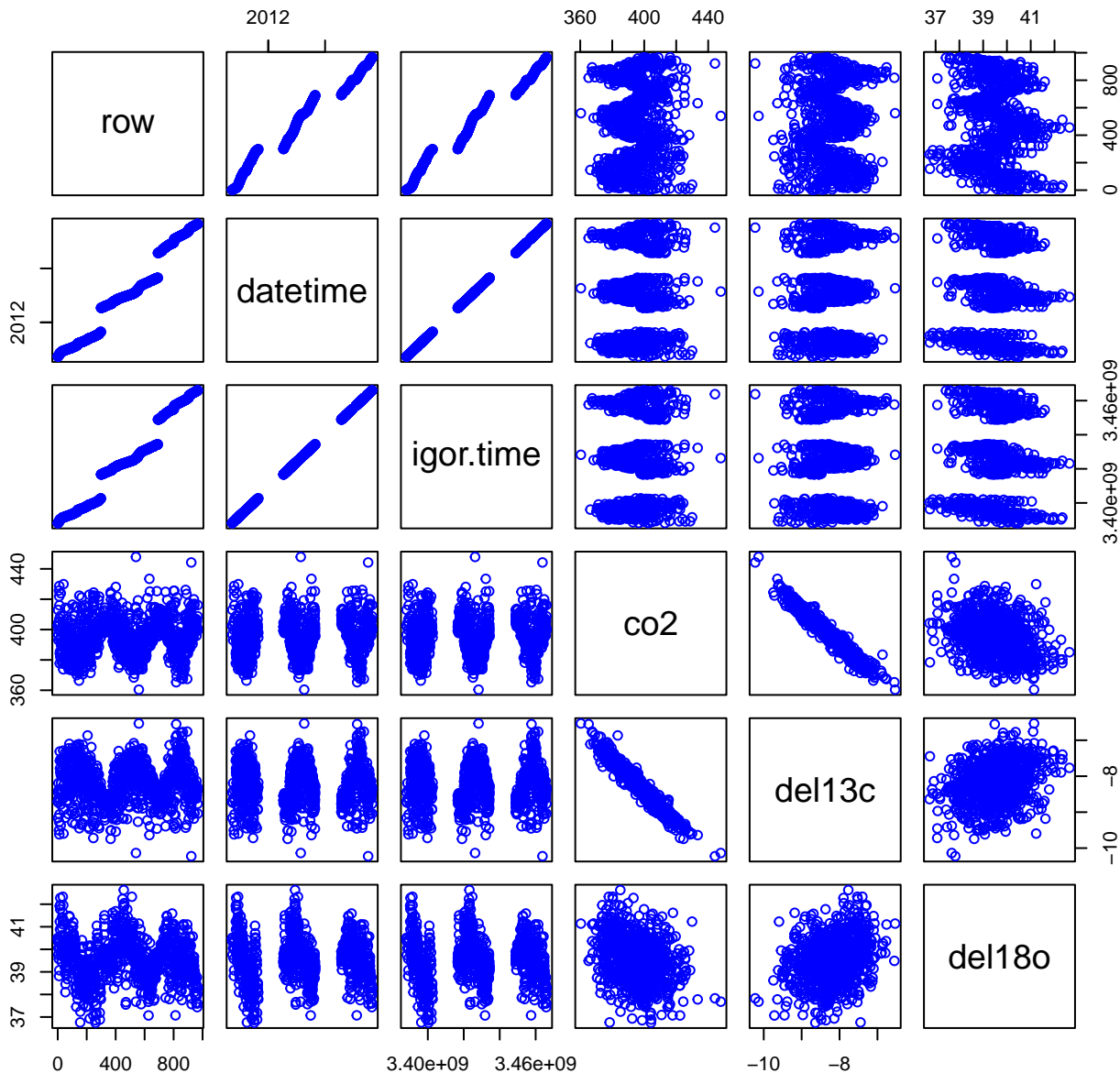
Name = hf209-03-ambient-co2.csv
Description = ambient CO2
Rows = 10637 Columns = 16
MD5 checksum = 0e0e3f4ff4b0b5f1a904a8e6dbf5b107

Variables:

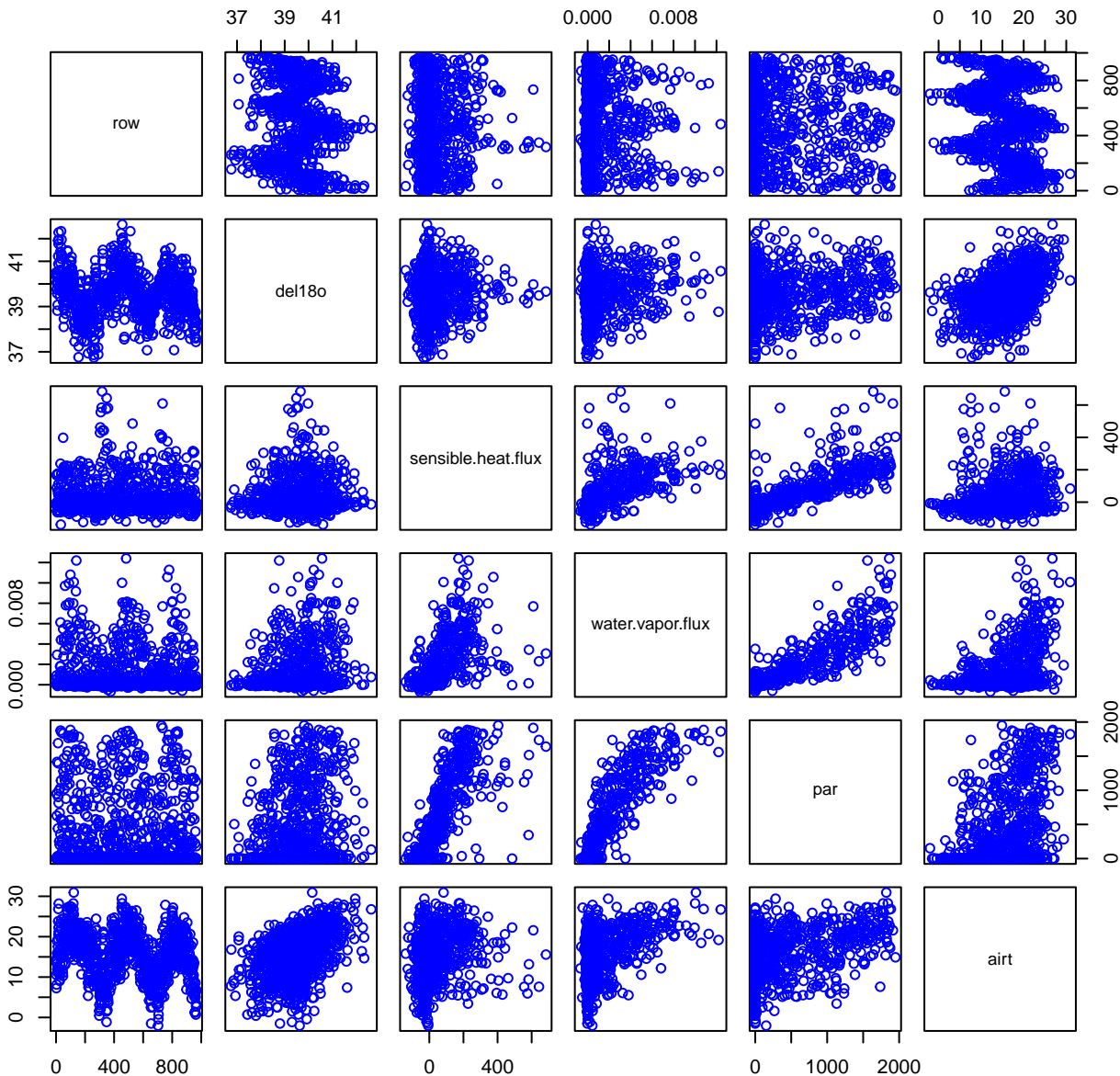
datetime = date and time stamps, mean value for the eddy flux
integration period
igor.time = redundant date and time stamp, used by the Igor
programming language (seconds since the start of January 1, 1904) (second)
co2 = mean CO2 molar mixing ratio to dry air (ppm) (dimensionless)
dell13c = mean ratio of 13C to 12C in CO2 expressed as a deviation
from the VPDB standard (permil) (dimensionless)
dell18o = mean ratio of 18O to 16O in CO2 expressed as a deviation
from the VSMOW standard (permil) (dimensionless)
sensible.heat.flux = sensible heat flux past the sensor at 29m
(wattPerMeterSquared)
water.vapor.flux = water vapor flux past the sensor at 29m
(molePerMeterSquaredPerSecond)
par = photosynthetically active radiation
(micromolePerMeterSquaredPerSecond)
airt = air temperature (celsius)
airp = air pressure (pascal)
rh = relative humidity (%) (dimensionless)
dry.air = concentration of dry air (molePerCubicMeter)
wet.air = concentration of wet air (molePerCubicMeter)
wind.speed = mean wind speed (metersPerSecond)
wind.dir = wind source direction (degrees from North, 90 = from the
east) (degree)
ustar = friction velocity (metersPerSecond)

Variable	Min	Median	Mean	Max	NAs
datetime	2011-05-13T21:15:12			2013-10-31T06:54:38	0
igor.time	3388166112	3423942988	3425443588	3466047279	0
co2	357.319	397.129	396.005	458.141	0
dell3c	-10.820	-8.267	-8.230	-6.268	0
dell8o	35.007	39.563	39.537	43.240	0
sensible.hea	-1021.114	-3.905	33.441	876.099	0
water.vapor.	-0.001	0.000	0.001	0.014	1149
par	0.000	49.000	376.507	2089.667	0
airt	-2.020	16.094	15.526	31.312	0
airp	95101.500	98336.169	98359.294	100488.131	0
rh	13.700	81.471	77.269	100.000	0
dry.air	37.772	40.323	40.437	44.055	0
wet.air	38.724	40.908	40.997	44.214	0
wind.speed	0.027	1.655	1.781	7.890	0
wind.dir	0.007	234.279	218.458	359.988	0
ustar	0.010	0.402	0.442	1.855	0

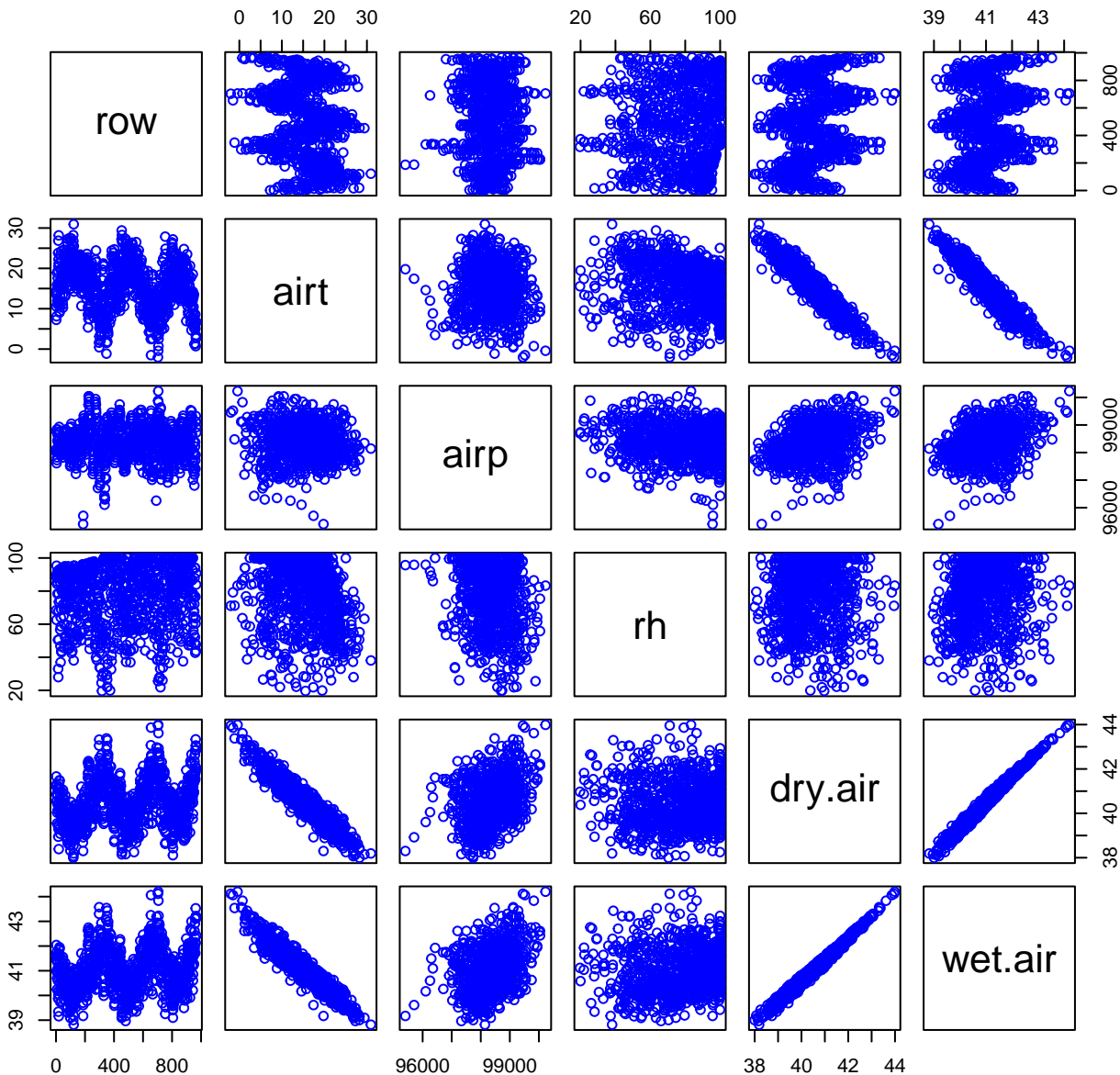
HF209-03 Plot 1



HF209-03 Plot 2



HF209-03 Plot 3



HF209-03 Plot 4

