

Harvard Forest Data Archive HF288-01

Data File:

Name = hf288-01-h2-data.csv  
Description = H2, CO2, H2O mole fractions and gradients; H2 fluxes  
Rows = 22177 Columns = 29  
MD5 checksum = eab7e6383dab2064122ae7c02a096f55

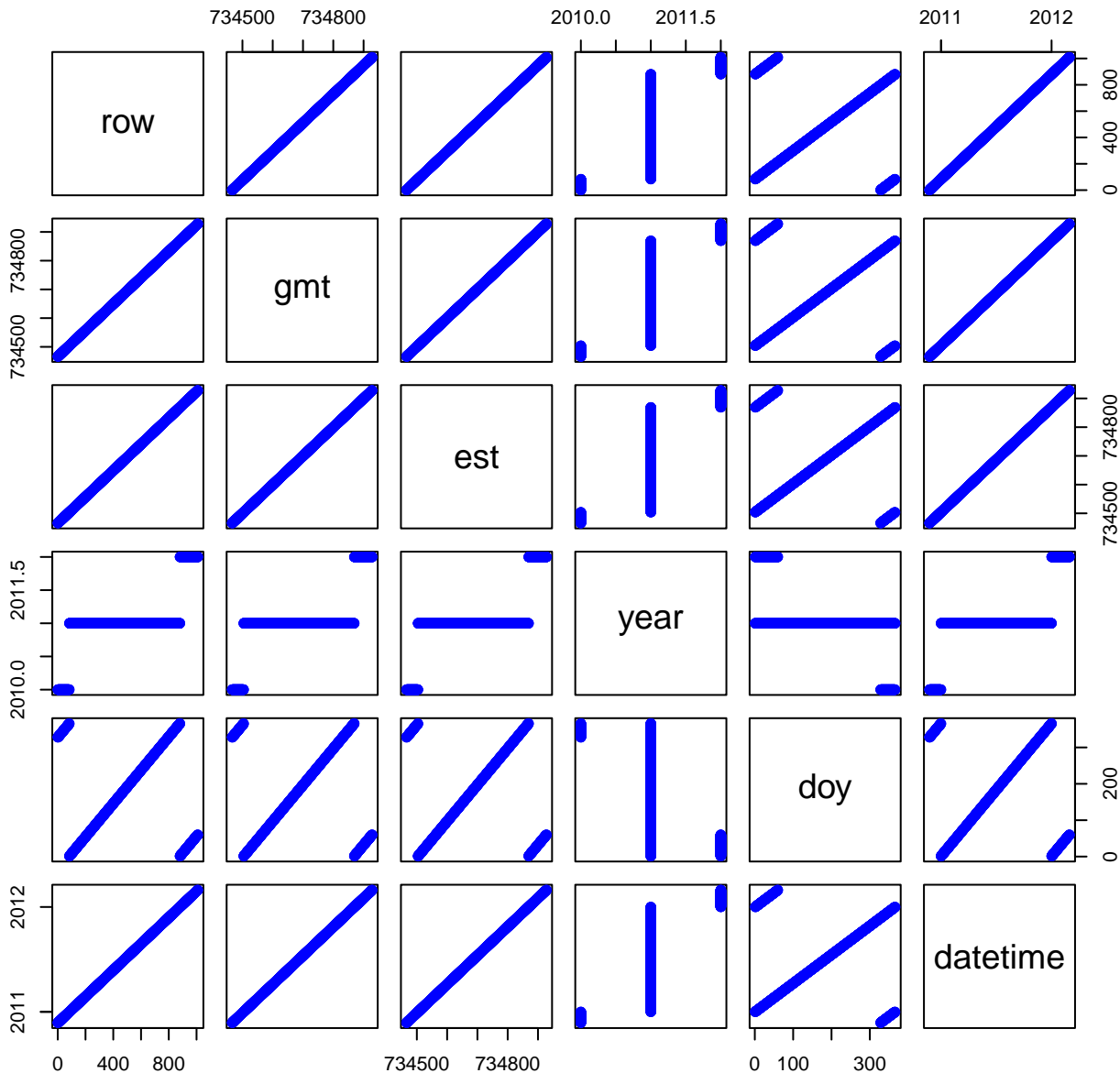
Variables:

gmt = matlab serial datenum; days since January 0, 0000; greenwich  
mean  
time (number)  
est = matlab serial datenum; days since January 0, 0000; eastern  
standard  
time (number)  
year = year  
doy = day of year (nominalDay)  
datetime = date and time  
h2.28m = H2 mole fraction at 28 m (ppb) (dimensionless)  
h2.24m = H2 mole fraction at 24 m (ppb) (dimensionless)  
h2.3.5m = H2 mole fraction at 3.5 m (ppb) (dimensionless)  
h2.0.5m = H2 mole fraction at 0.5 m (ppb) (dimensionless)  
d.h2dz.26m = H2 gradient between 28 and 24 m (ppb m-1)  
(dimensionless)  
d.h2dz.10m = H2 gradient between 24 and 3.5 m (ppb m-1)  
(dimensionless)  
d.h2dz.2m = H2 gradient between 3.5 and 0.5 m (ppb m-1)  
(dimensionless)  
co2.28m = CO2 mole fraction at 28 m (ppm) (dimensionless)  
co2.24m = CO2 mole fraction at 24 m (ppm) (dimensionless)  
co2.3.5m = CO2 mole fraction at 3.5 m (ppm) (dimensionless)  
co2.0.5m = CO2 mole fraction at 0.5 m (ppm) (dimensionless)  
d.co2dz.26m = CO2 gradient between 28 and 24 m (ppm m-1)  
(dimensionless)  
d.co2dz.10m = CO2 gradient between 24 and 3.5 m (ppm m-1)  
(dimensionless)  
d.co2dz.2m = CO2 gradient between 3.5 and 0.5 m (ppm m-1)  
(dimensionless)  
h2o.28m = H2O mole fraction at 28 m (ppth) (dimensionless)  
h2o.24m = H2O mole fraction at 24 m (ppth) (dimensionless)  
h2o.3.5m = H2O mole fraction at 3.5 m (ppth) (dimensionless)  
h2o.0.5m = H2O mole fraction at 0.5 m (ppth) (dimensionless)  
d.h2odz.26m = H2O gradient between 28 and 24 m (ppth m-1)  
(dimensionless)  
dh2odz.10m = H2O gradient between 24 and 3.5 m (ppth m-1)  
(dimensionless)  
d.h2odz.2m = H2O gradient between 3.5 and 0.5 m (ppth m-1)  
(dimensionless)  
f.h2.26m = H2 flux at 26 m; H2 net ecosystem flux  
(nanomolePerMeterSquaredPerSecond)  
f.h2.2m = H2 flux at 2 m; H2 soil-atmosphere flux  
(nanomolePerMeterSquaredPerSecond)

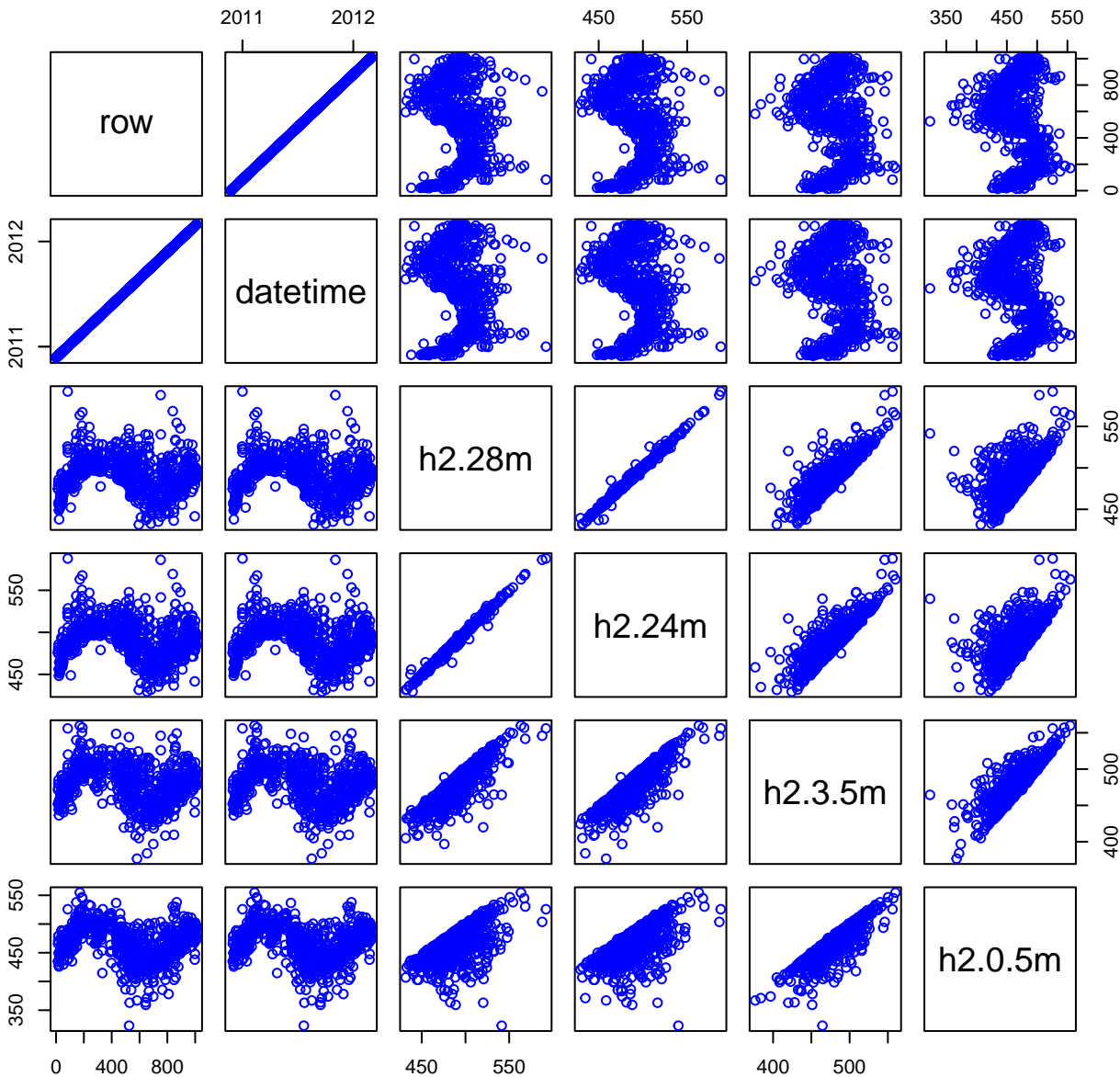
vd.h2.2m = H2 deposition velocity; concentration-independent  
soil-atmosphere  
flux (centimeterPerSecond)

Variable	Min	Median	Mean	Max	NAs
gmt	734466.208	734697.208	734697.208	734928.208	0
est	734466.000	734697.000	734697.000	734928.000	0
year	2010.000	2011.000	2011.045	2012.000	0
doy	1.000	172.979	177.393	365.979	0
datetime	2010-11-24T00:00		2012-02-29T00:00		0
h2.28m	426.518	491.959	491.263	609.993	4923
h2.24m	420.332	491.825	490.966	607.689	4751
h2.3.5m	343.872	483.075	481.199	598.744	4058
h2.0.5m	56.238	472.001	468.461	590.584	4058
d.h2dz.26m	-25.305	-0.009	0.036	5.197	5461
d.h2dz.10m	-2.064	0.233	0.482	6.020	5158
d.h2dz.2m	-14.878	2.235	4.252	125.007	4097
co2.28m	343.107	401.612	401.964	473.855	4415
co2.24m	341.016	401.742	402.184	481.641	4420
co2.3.5m	362.696	405.463	410.392	604.947	4420
co2.0.5m	371.785	409.740	421.451	763.440	4415
d.co2dz.26m	-6.797	-0.007	-0.056	3.592	4433
d.co2dz.10m	-9.514	-0.126	-0.400	3.145	4420
d.co2dz.2m	-77.616	-0.908	-3.687	0.315	4433
h2o.28m	0.375	5.187	7.818	27.352	5510
h2o.24m	0.376	5.155	7.763	27.259	5631
h2o.3.5m	0.444	5.395	8.069	27.391	5980
h2o.0.5m	0.425	5.518	8.155	27.575	6098
d.h2odz.26m	-0.670	-0.003	-0.010	0.450	5780
dh2odz.10m	-0.541	-0.016	-0.032	0.210	4857
d.h2odz.2m	-1.335	-0.038	-0.069	1.033	6292
f.h2.26m	-382.048	-0.485	-0.931	820.432	16424
f.h2.2m	-65.179	-2.291	-3.373	6.060	14373
vd.h2.2m	-0.028	0.012	0.018	0.267	16849

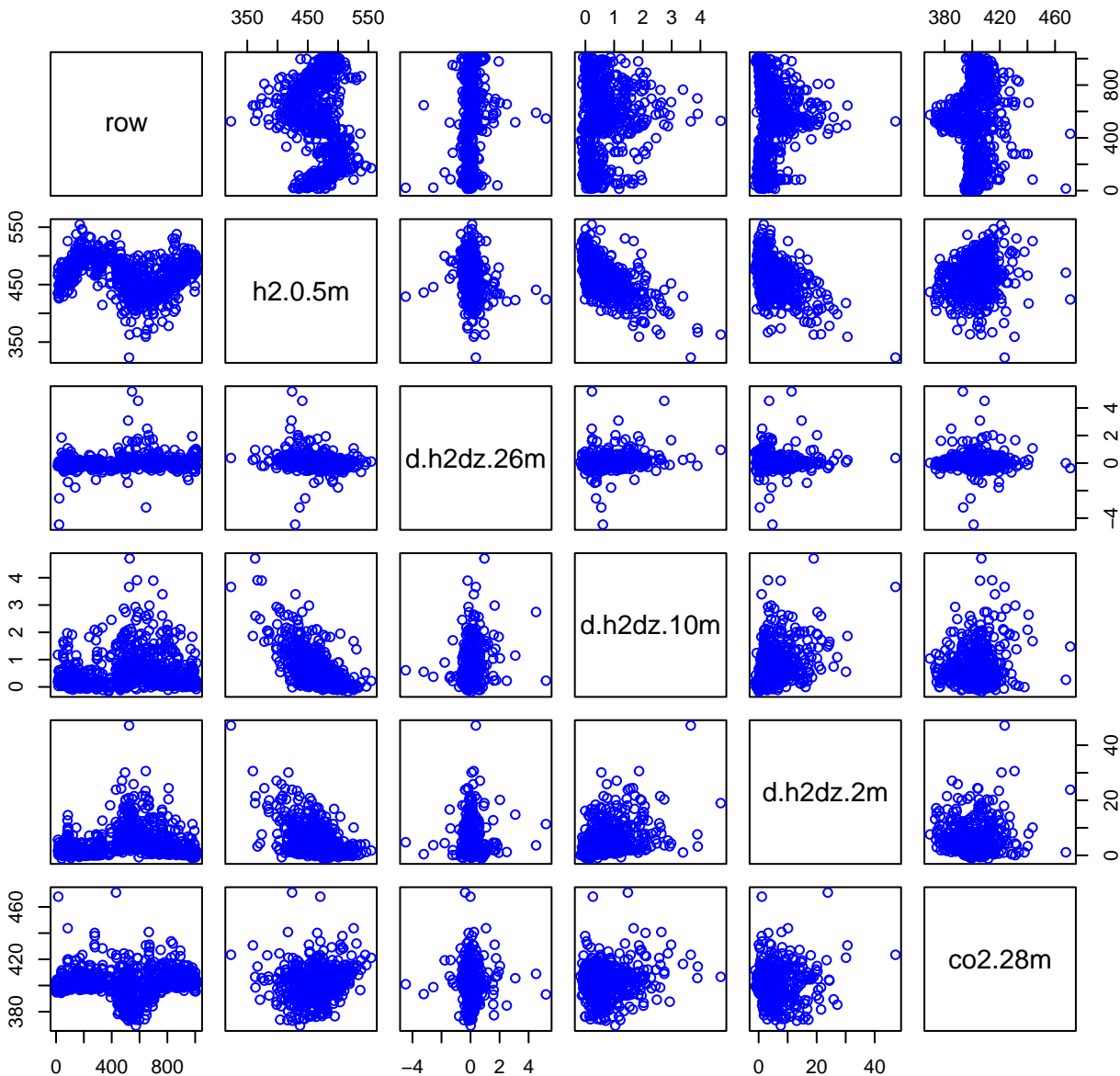
# HF288-01 Plot 1



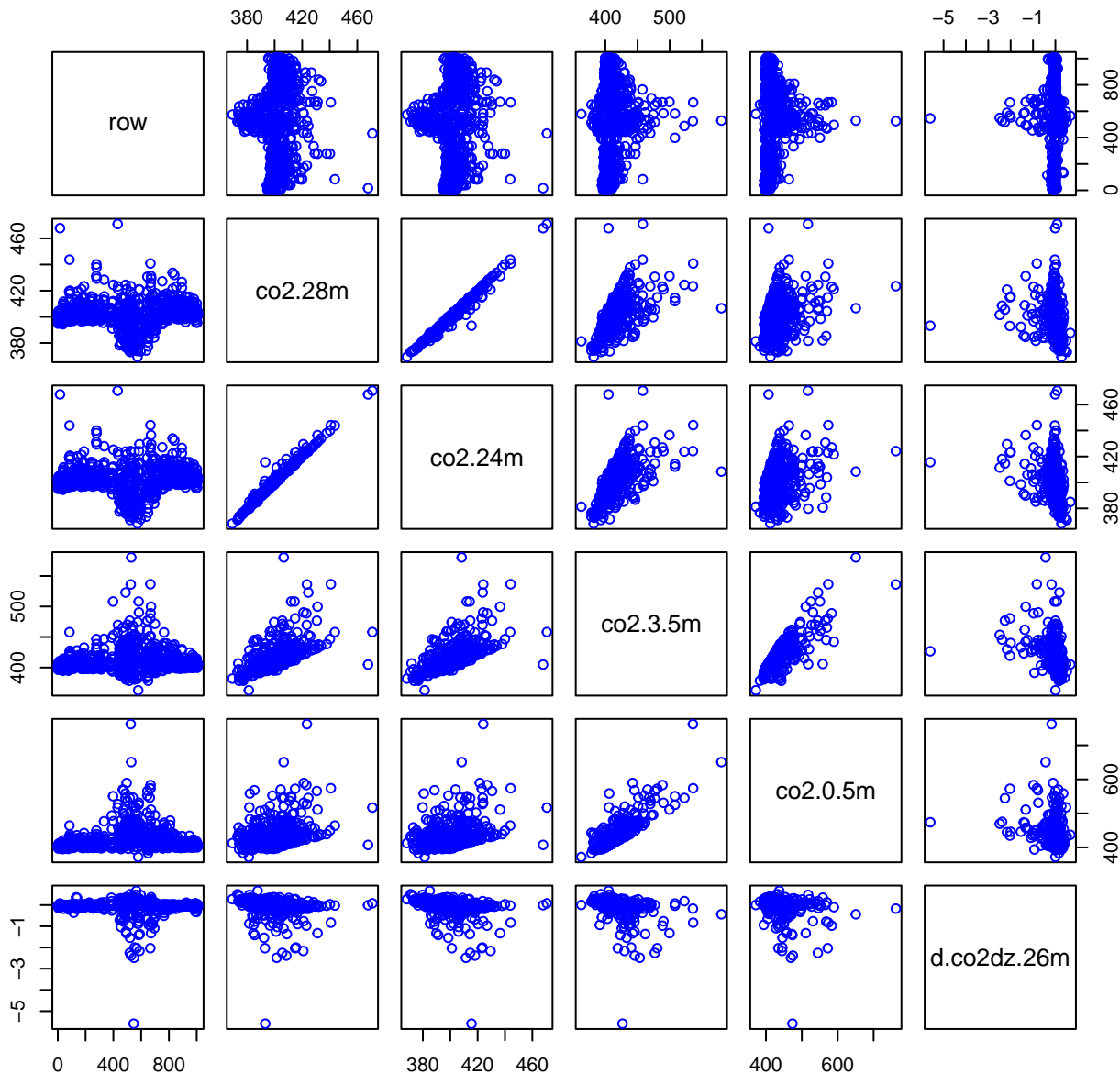
# HF288-01 Plot 2



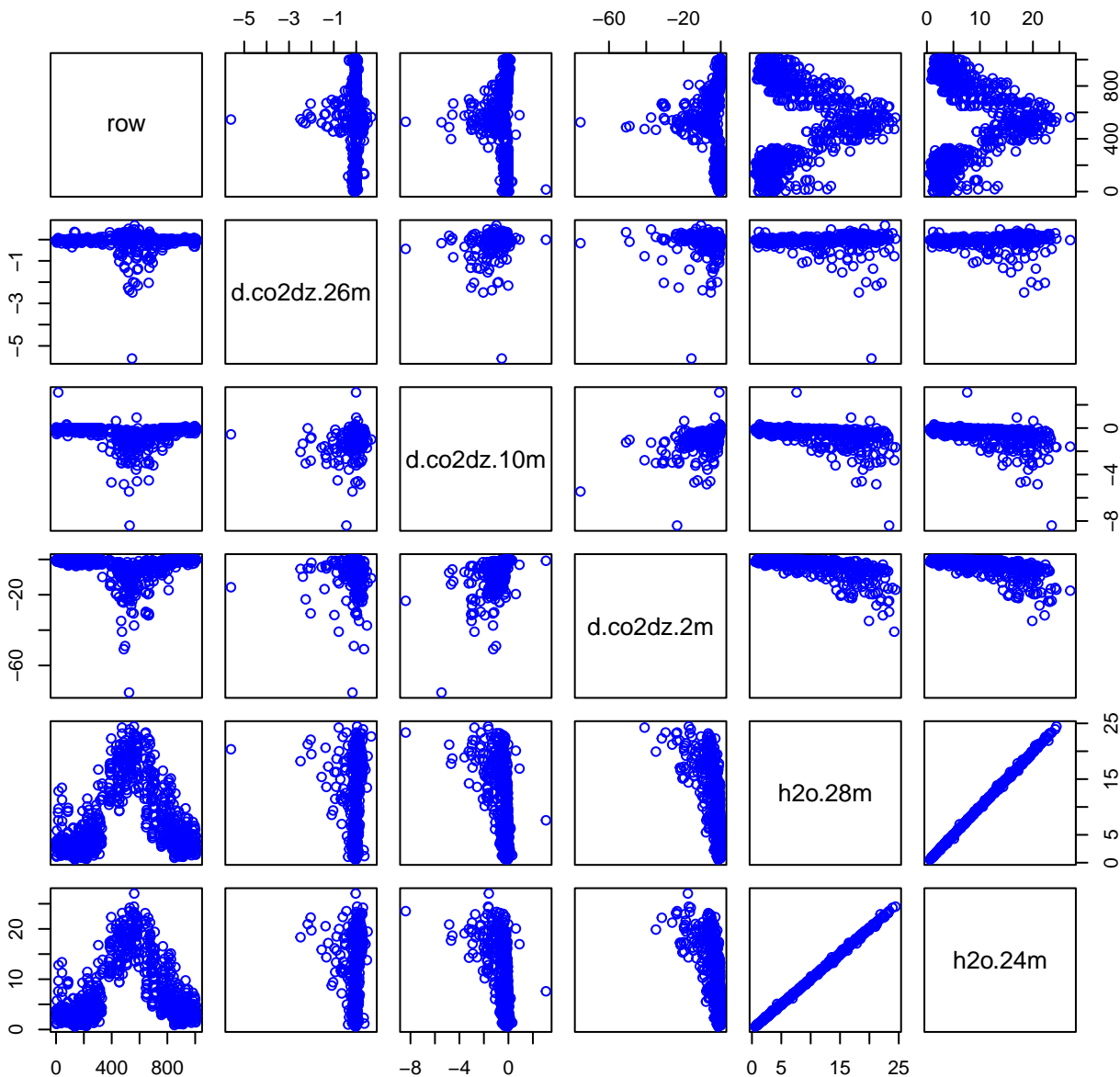
# HF288-01 Plot 3



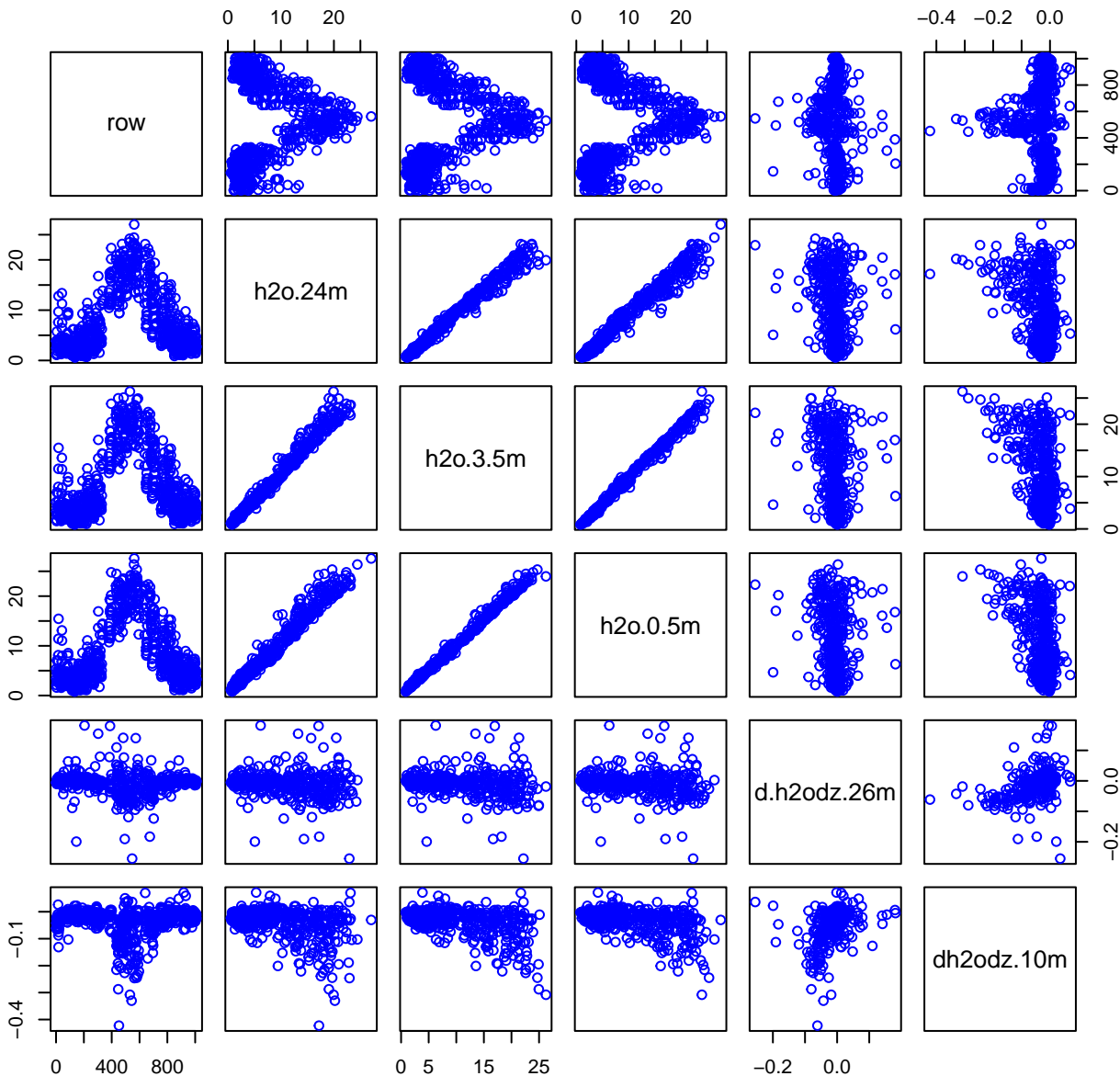
# HF288-01 Plot 4



# HF288-01 Plot 5



# HF288-01 Plot 6



# HF288-01 Plot 7

