

Harvard Forest Data Archive HF160-06

Data File:

Name = hfl60-06-decomp.csv

Description = decomposition of lignin and cellulose, 2008-2010

Rows = 288 Columns = 23

MD5 checksum = 4a9a7590cd9ba9b1a43fbeddfbe9f307

Variables:

date.out = date litter bag collected

months.f = number of months in field (number)

i.adm = initial air-dried mass of material in the litter
decomposition bag (gram)

i.odm = initial oven-dried mass of material in the litter
decomposition bag (gram)

i.afodm = initial ash-free oven-dried mass of material in the litter
decomposition bag (gram)

f.odm = final oven-dried mass of material remaining in the litter
decomposition bag after collection from the field after MonthsInF months (gr.

crb.mass = mass of the crucible (gram)

sam.crb.mass = sample mass + crucible mass (gram)

ash.crb.mass = ash mass + crucible mass (gram)

ash.mass = ash mass. AshMass = AshCrbMass - CrbMass (gram)

p.ash.free = proportion of fODM attributable to material other than
ash (range 0 - 1) = (fODM - AshMass)/fODM (dimensionless)

f.afodm = final oven-dried mass of material, minus mass of the ash
fAFODM = fODM × pAshFree (gram)

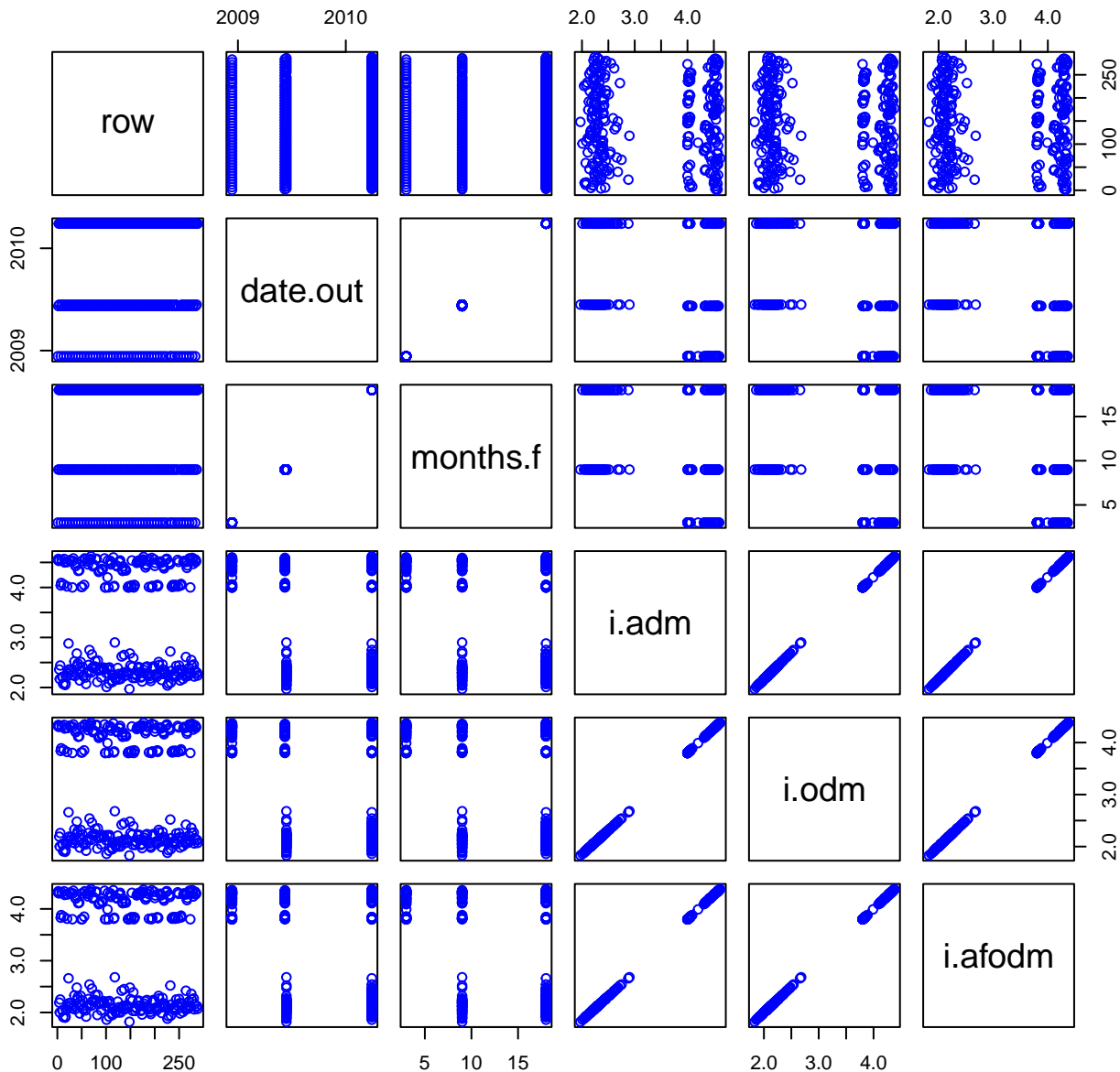
f.loss = mass of sample lost to decomposition fLoss = iAFODM -
fAFODM (gram)

m.loss.frac = proportion of the original mass of the sample lost to
decomposition (range 0 - 1) mLossFrac = fLoss / iAFODM (dimensionless)

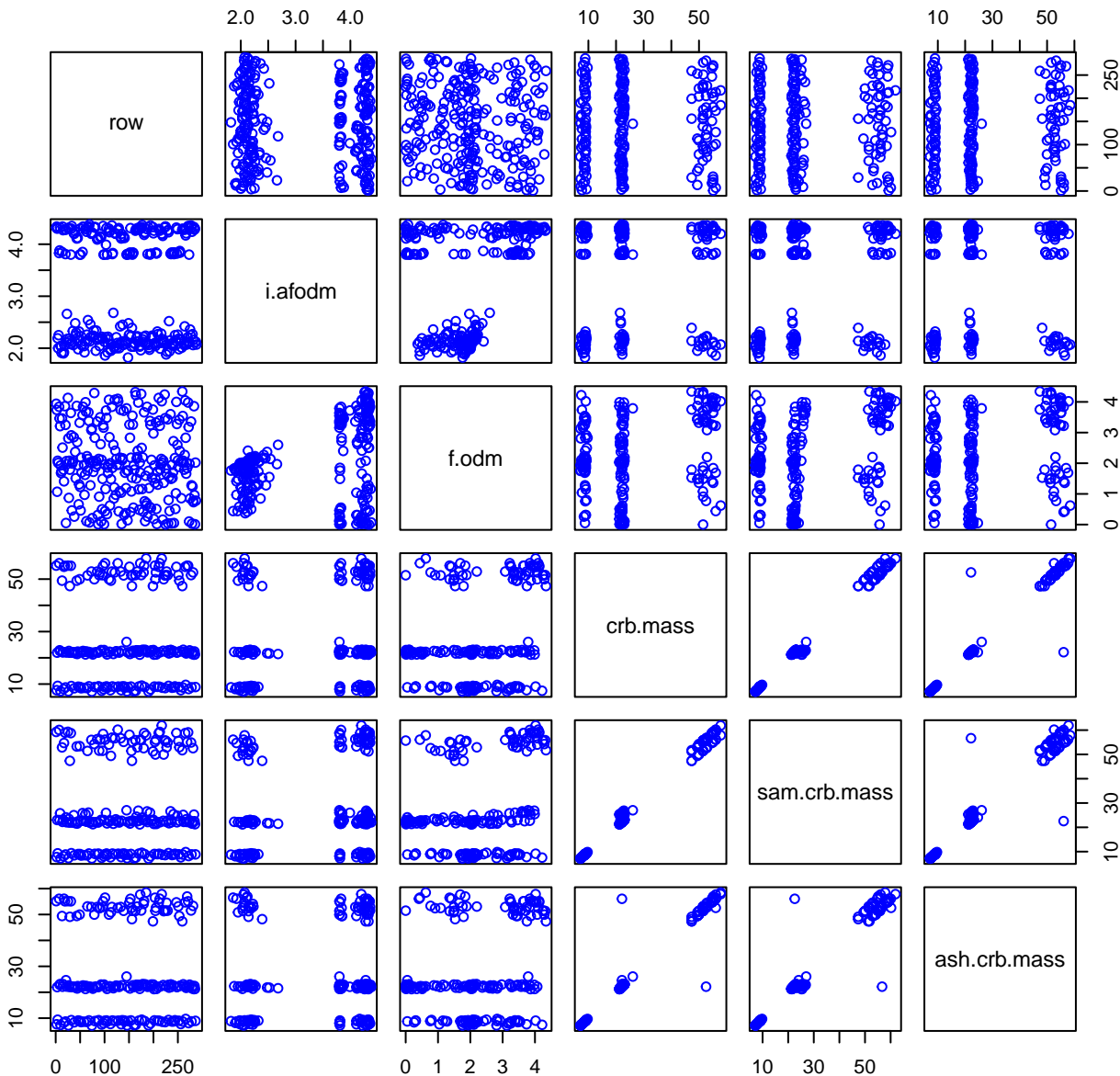
remain.per = percentage of original mass remaining in the
decomposition bag at the time of collection (range 0 - 100) pctRemain = (1 -
mLossFrac) × 100 (dimensionless)

Variable	Min	Median	Mean	Max	NAs
date.out	2008-12-12	2010-03-30	2009-10-06	2010-03-30	0
months.f	3.000	18.000	12.531	18.000	0
i.adm	1.970	3.450	3.343	4.620	0
i.odm	1.830	3.240	3.147	4.380	0
i.afodm	1.820	3.240	3.145	4.380	0
f.odm	0.000	1.960	2.033	4.340	37
crb.mass	7.130	22.240	27.080	57.860	85
sam.crb.mass	7.130	22.660	28.160	61.900	85
ash.crb.mass	7.130	22.260	27.248	58.480	85
ash.mass	0.000	0.010	0.145	1.810	86
p.ash.free	0.000	0.970	0.732	1.350	37
f.afodm	0.000	1.720	1.648	4.340	37
f.loss	-0.010	1.500	1.542	4.320	37
m.loss.frac	0.000	0.380	0.508	1.000	37
remain.per	0.000	60.150	48.815	100.200	37

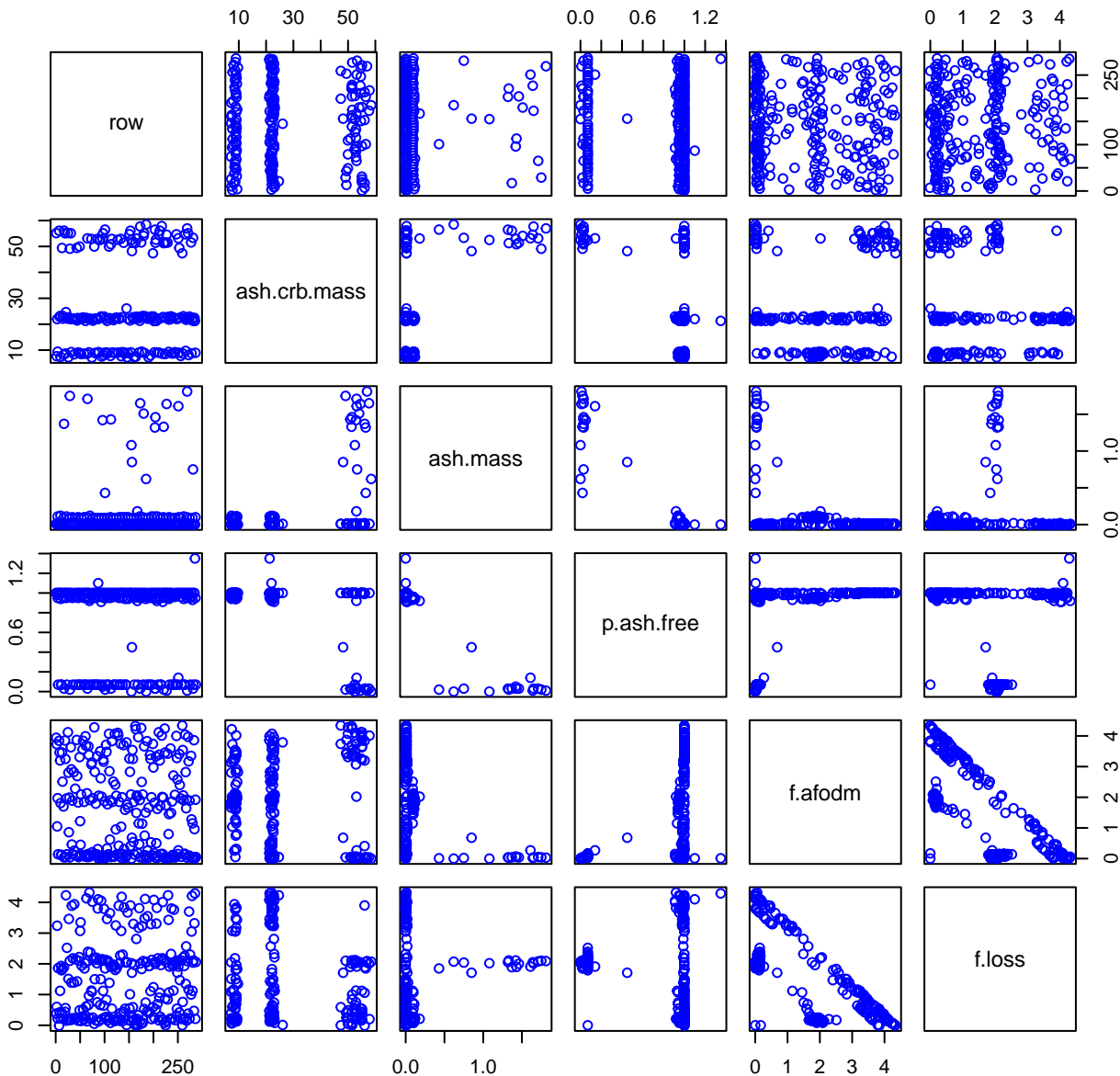
HF160-06 Plot 1



HF160-06 Plot 2



HF160-06 Plot 3



HF160-06 Plot 4

