

Harvard Forest Data Archive HF113-02

Data File:

Name = hf113-02-hf-chamber-since-2009.csv
Description = HF chamber data since 2009
Rows = 678786 Columns = 40
MD5 checksum = 41alf43da5f15de158ce6e0b6c9a10ee

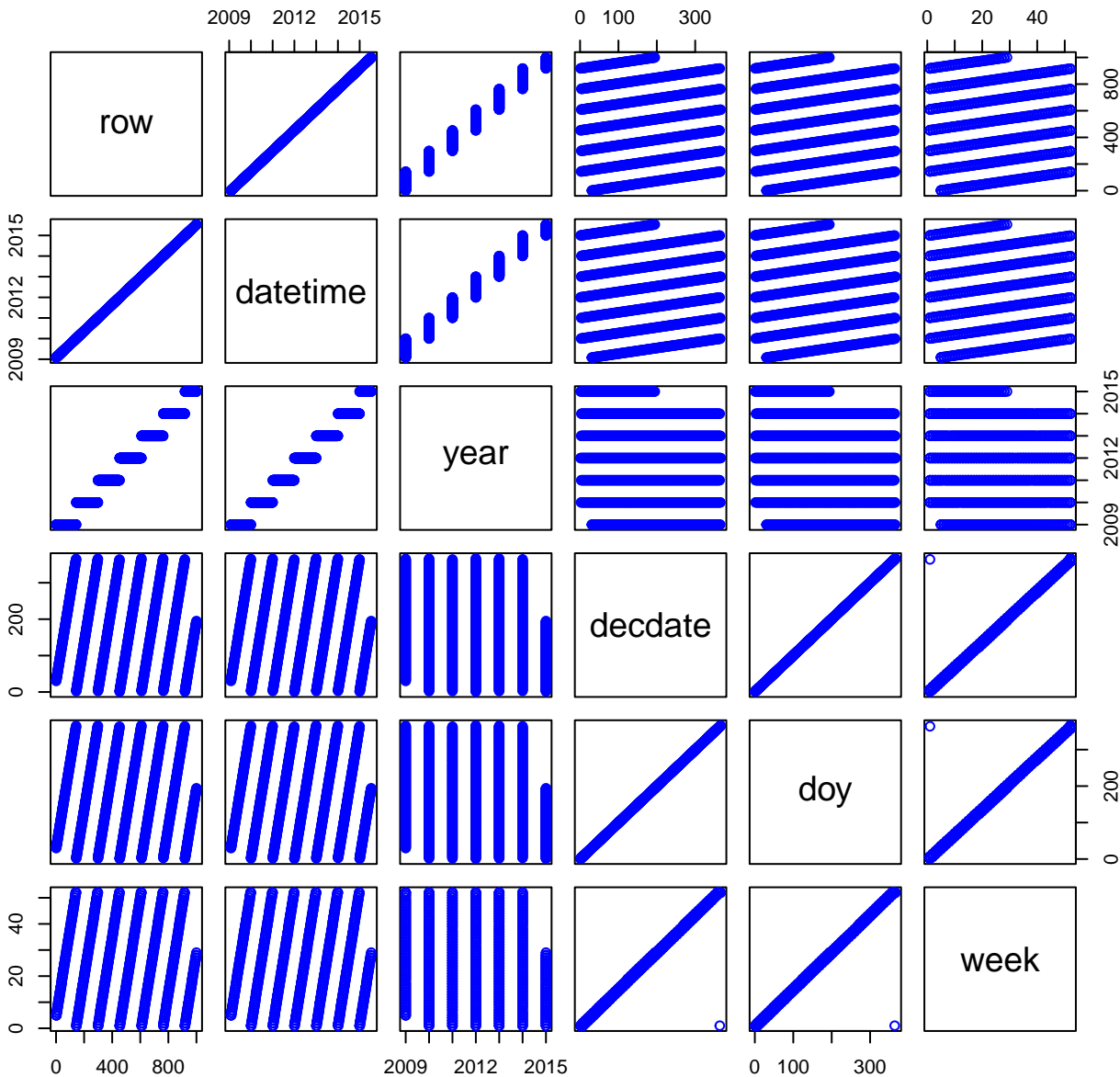
Variables:

datetime = date and time
year = year
decdate = day of year and decimal hour (nominalDay)
doy = day of year (nominalDay)
week = week of year (nominalWeek)
hour = hour (nominalHour)
date = date
cat1.avg = chamber air temperature 1 -average (celsius)
cat2.avg = chamber air temperature 2 - average (celsius)
catd.avg = air temperature in heating duct - average (celsius)
cstol.avg = chamber soil temperature - organic 1 - average (celsius)
cstil.avg = chamber soil temperature - inorganic 1 - average
(celsius)
csto2.avg = chamber soil temperature - organic 2 - average (celsius)
csti2.avg = chamber soil temperature - inorganic 2 - average
(celsius)
cq.avg = chamber quantum sensor flux density - average
(micromolePerMeterSquaredPerSecond)
crh.avg = chamber relative humidity - average (dimensionless)
csm.avg = chamber soil moisture - average (dimensionless)
cat1.min = chamber air temperature 1 - minimum (celsius)
cat2.min = chamber air temperature 2 - minimum (celsius)
catd.min = air temperature in heating duct - minimum (celsius)
cstol.min = chamber organic soil temperature 1 - minimum (celsius)
cstil.min = chamber inorganic soil temperature 1 - minimum (celsius)
csto2.min = chamber organic soil temperature 2 - minimum (celsius)
csti2.min = chamber inorganic soil temperature 2 - minimum (celsius)
cq.min = chamber quantum sensor flux density - minimum
(micromolePerMeterSquaredPerSecond)
crh.min = chamber relative humidity - minimum (dimensionless)
csm.min = chamber soil moisture - minimum (dimensionless)
cat1.max = chamber air temperature 1 - maximum (celsius)
cat2.max = chamber air temperature 2 - maximum (celsius)
catd.max = air temperature in heating duct - maximum (celsius)
cstol.max = chamber organic soil temperature 1 - maximum (celsius)
cstil.max = chamber inorganic soil temperature 1 - maximum (celsius)
csto2.max = chamber organic soil temperature 2 - maximum (celsius)
csti2.max = chamber inorganic soil temperature 1 - maximum (celsius)
cq.max = chamber quantum sensor flux density - maximum
(micromolePerMeterSquaredPerSecond)

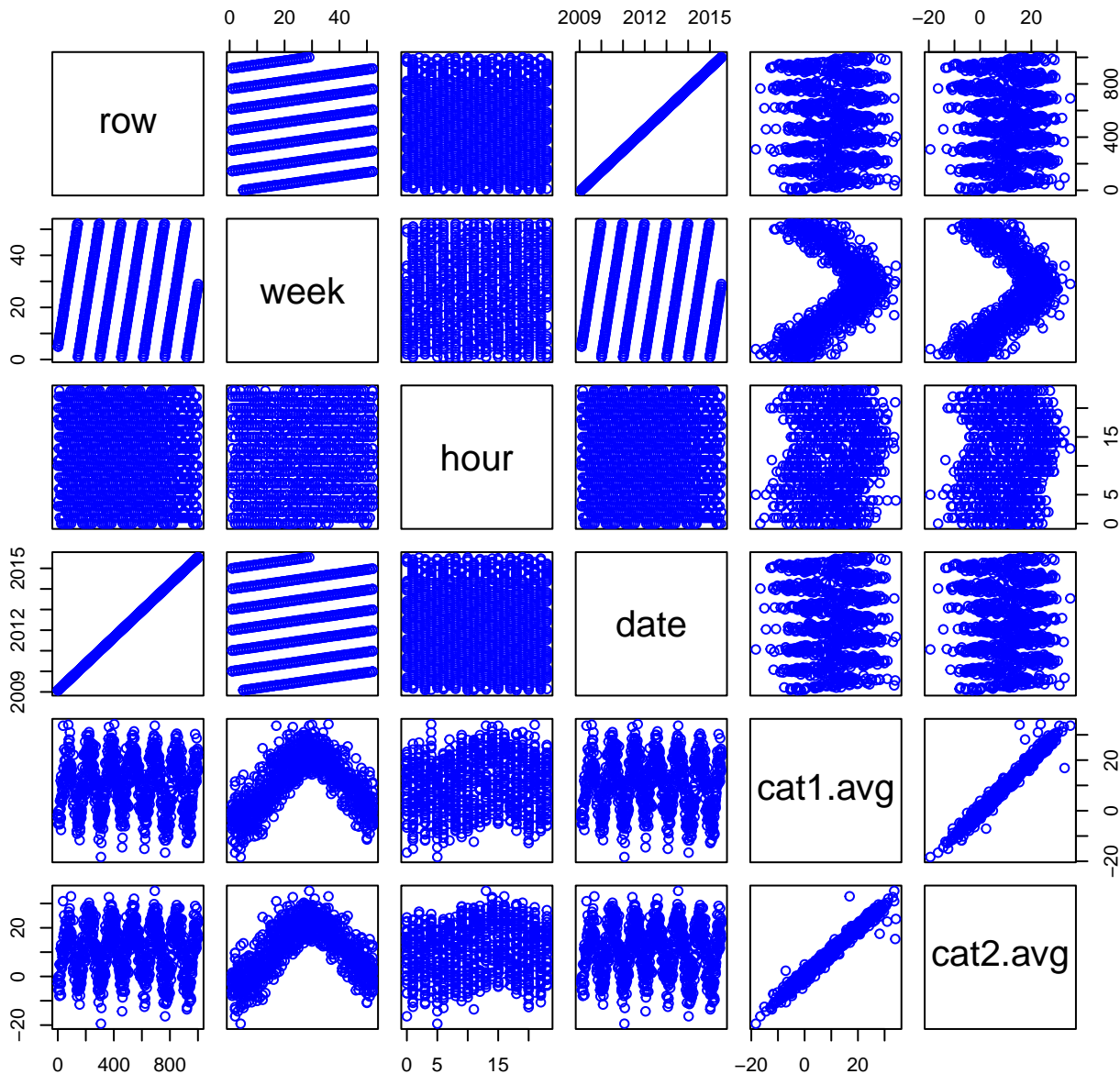
crh.max = chamber relative humidity - maximum (dimensionless)
csm.max = chamber soil moisture - maximum (dimensionless)

Variable	Min	Median	Mean	Max	NAs
datetime	2009-01-30T10:00			2015-07-15T09:00	0
year	2009.000	2012.000	2011.821	2015.000	0
decdate	1.000	173.542	178.628	366.958	0
doy	1.000	173.000	178.149	366.000	0
week	1.000	25.000	25.889	52.000	0
hour	0.000	12.000	11.500	23.000	0
date	2009-01-30	2012-04-22	2012-04-22	2015-07-15	0
cat1.avg	-24.140	11.420	10.723	42.860	18446
cat2.avg	-24.510	11.440	10.732	43.110	19657
catd.avg	-24.240	18.710	17.925	57.730	18331
cstol.avg	-7.131	9.930	9.614	35.010	21647
cstil.avg	-4.378	9.830	9.599	28.310	21959
csto2.avg	-80.600	9.810	9.537	28.660	25260
csti2.avg	-3.135	9.660	9.456	25.810	27087
cq.avg	-19.500	0.845	36.504	1999.000	64544
crh.avg	2.482	68.820	68.623	100.000	141200
csn.avg	0.000	0.134	0.140	0.642	18225
cat1.min	-273.200	10.730	10.048	41.850	18310
cat2.min	-273.200	10.760	10.062	42.240	19469
catd.min	-273.200	17.700	16.842	55.590	17568
cstol.min	-273.200	9.830	9.533	32.560	21592
cstil.min	-273.200	9.790	9.530	25.940	21776
csto2.min	-273.200	9.720	9.462	27.100	25223
csti2.min	-273.200	9.670	9.854	114.500	24192
cq.min	-1577.000	0.000	14.245	1744.000	64530
crh.min	-0.674	66.360	66.301	110.000	141200
csn.min	-0.015	0.134	0.139	116.000	17832
cat1.max	-273.200	12.090	11.390	47.140	18309
cat2.max	-273.200	12.090	11.363	44.930	19469
catd.max	-273.200	19.350	18.439	64.220	17568
cstol.max	-273.200	10.030	9.698	38.350	21592
cstil.max	-273.200	9.870	9.612	32.410	21776
csto2.max	-273.200	9.910	9.611	33.760	25222
csti2.max	-273.200	9.750	9.933	114.700	24191
cq.max	-1.685	4.212	78.058	3528.000	64530
crh.max	2.494	71.260	71.250	110.600	141200
csn.max	0.000	0.135	0.141	35.980	17832

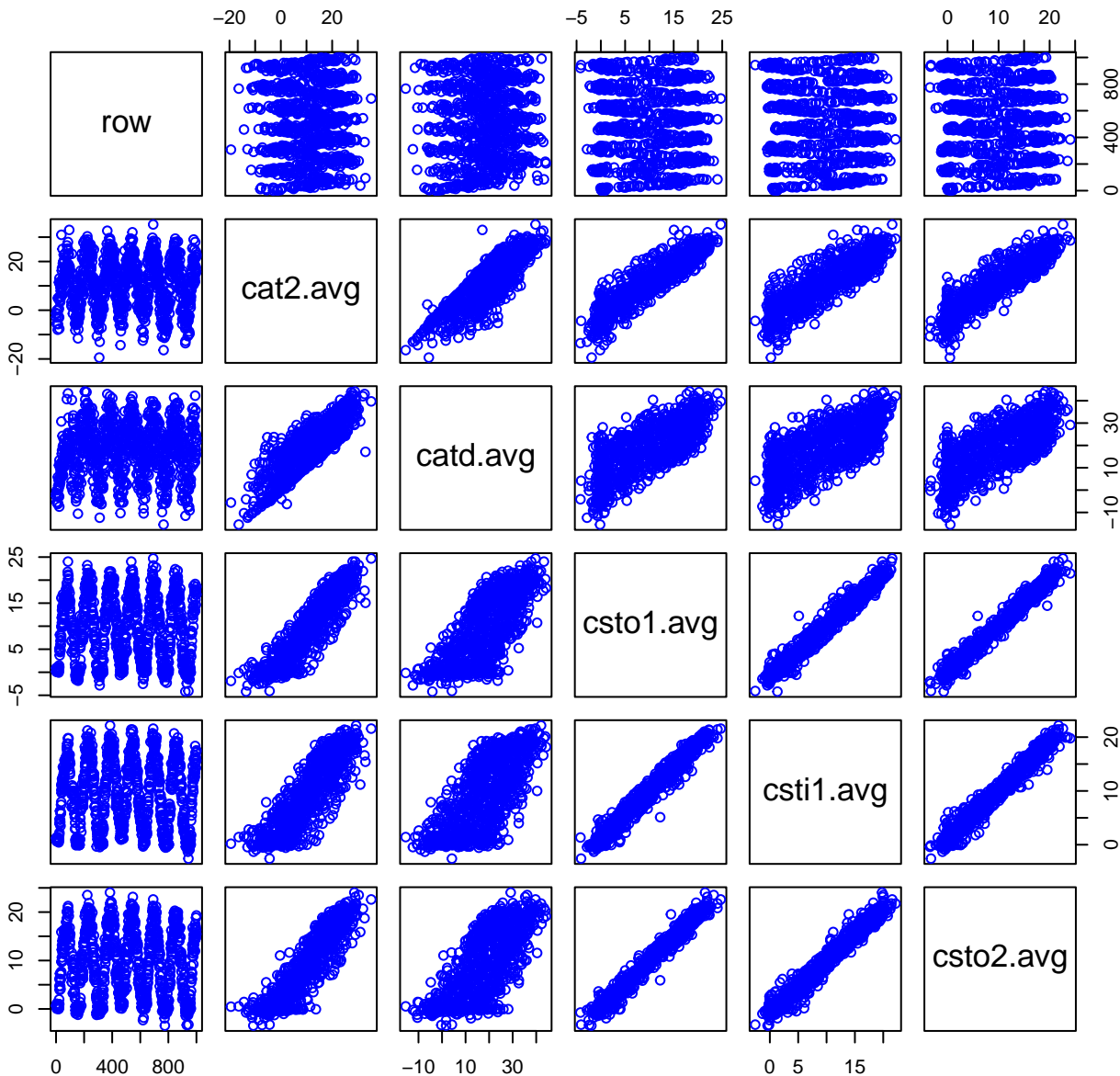
HF113-02 Plot 1



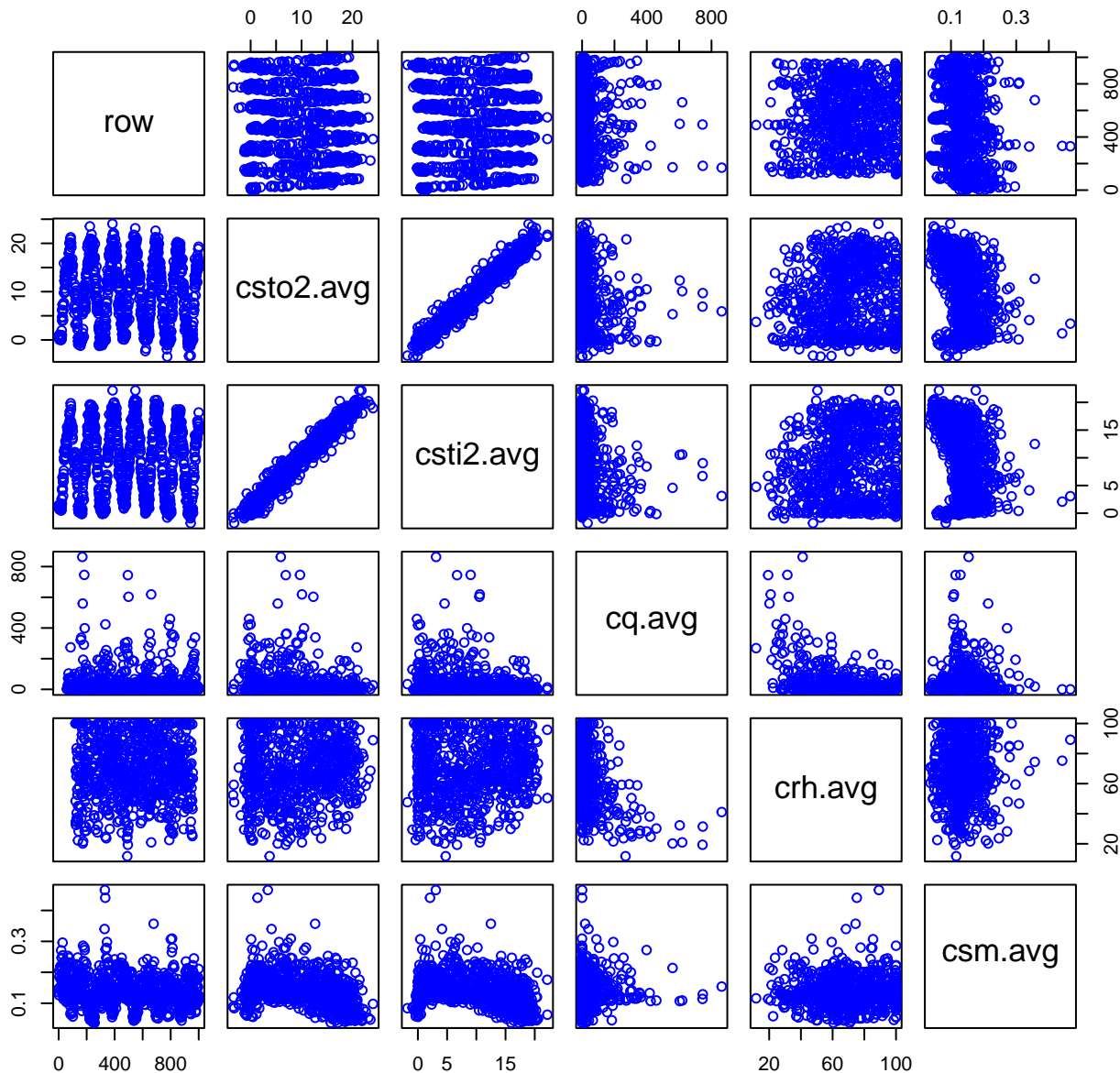
HF113-02 Plot 2



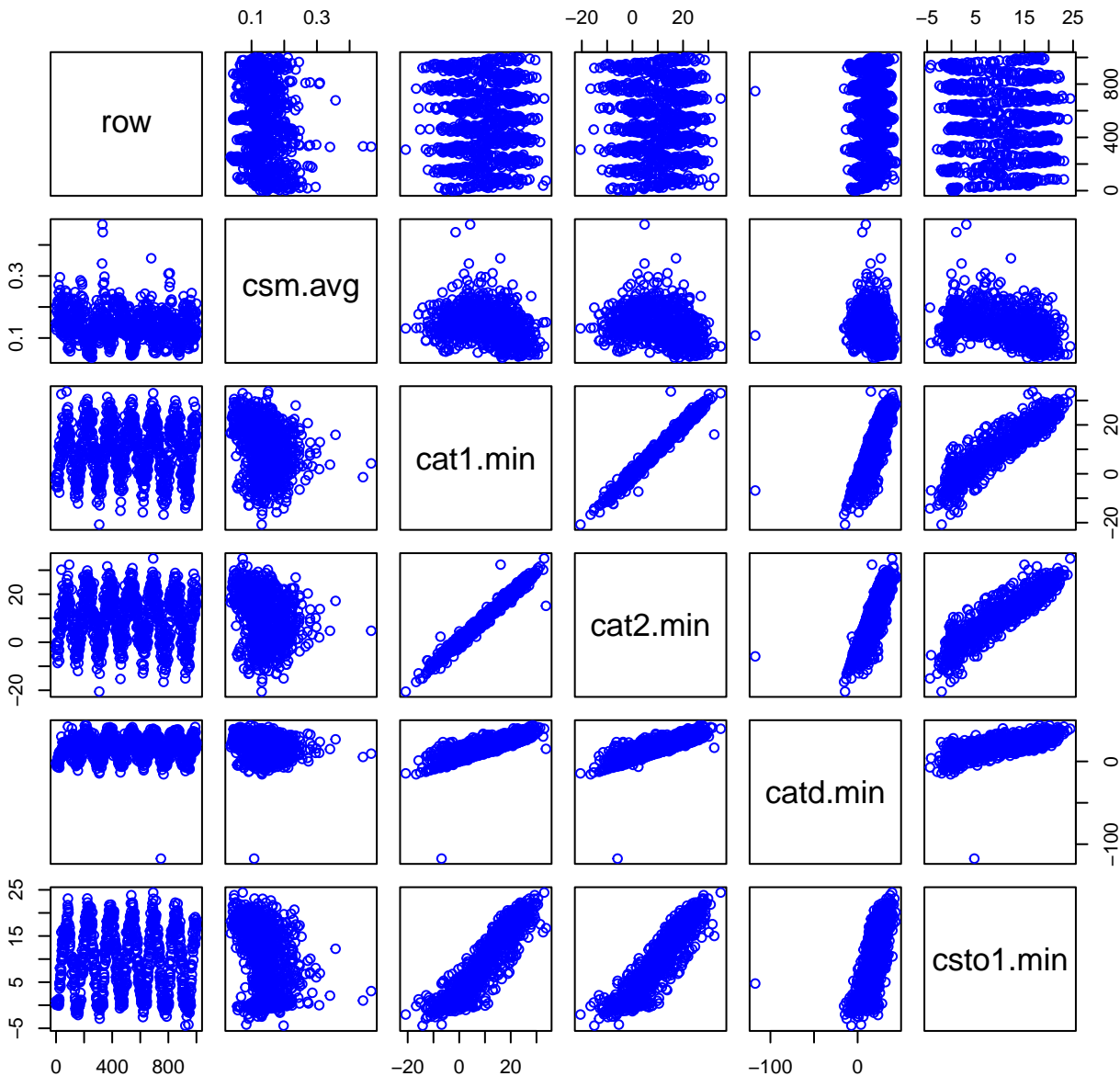
HF113-02 Plot 3



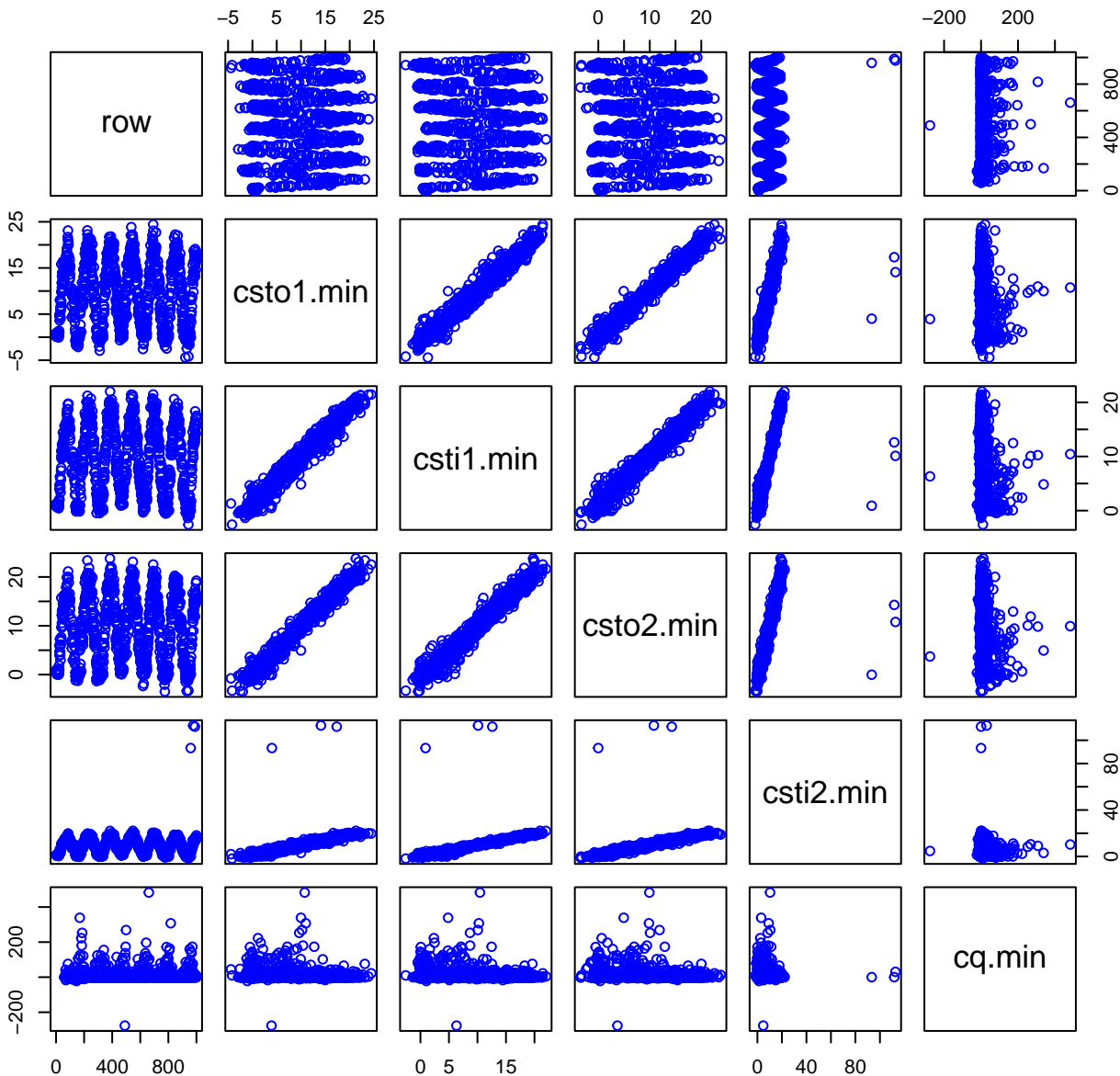
HF113-02 Plot 4



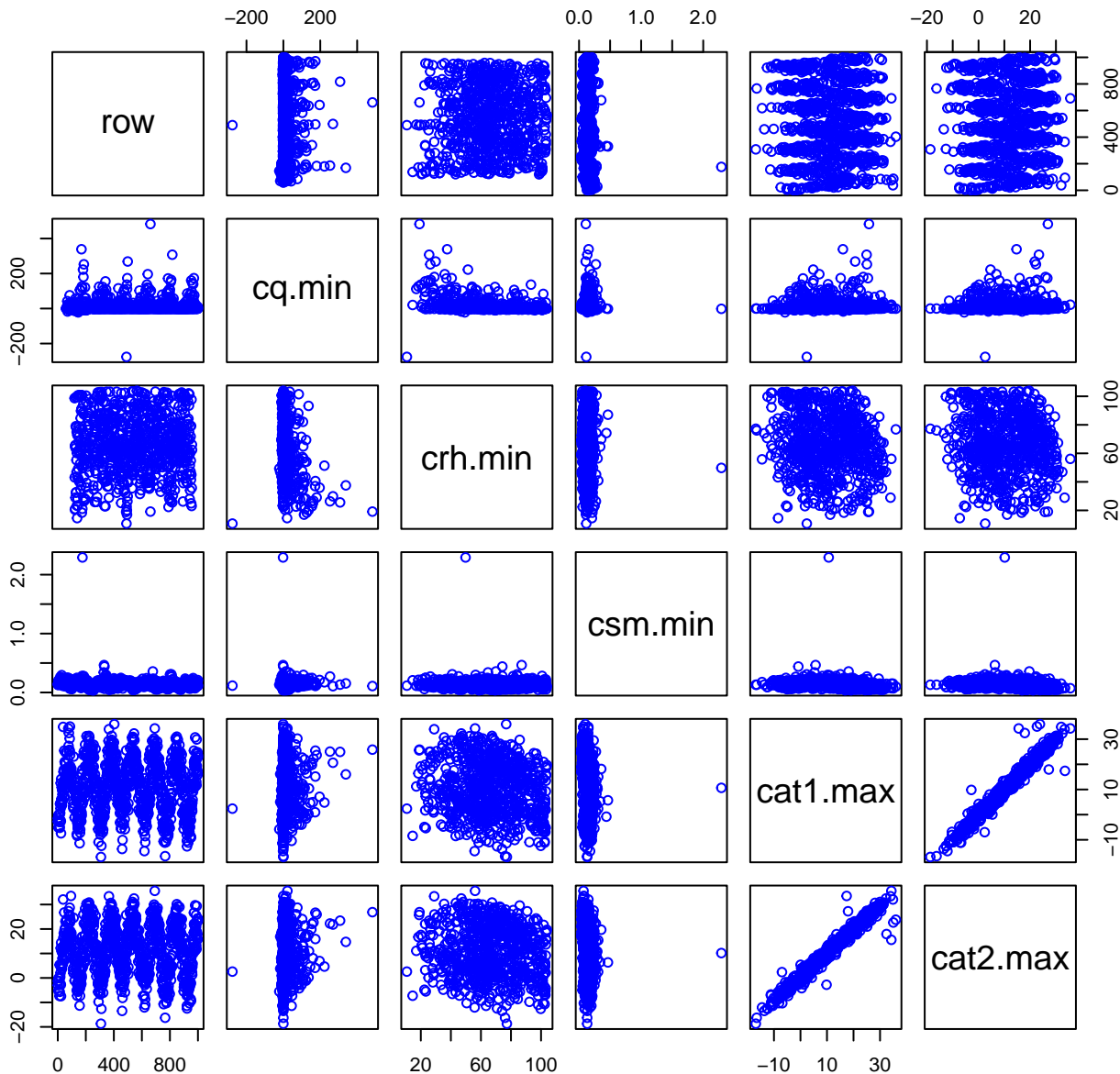
HF113-02 Plot 5



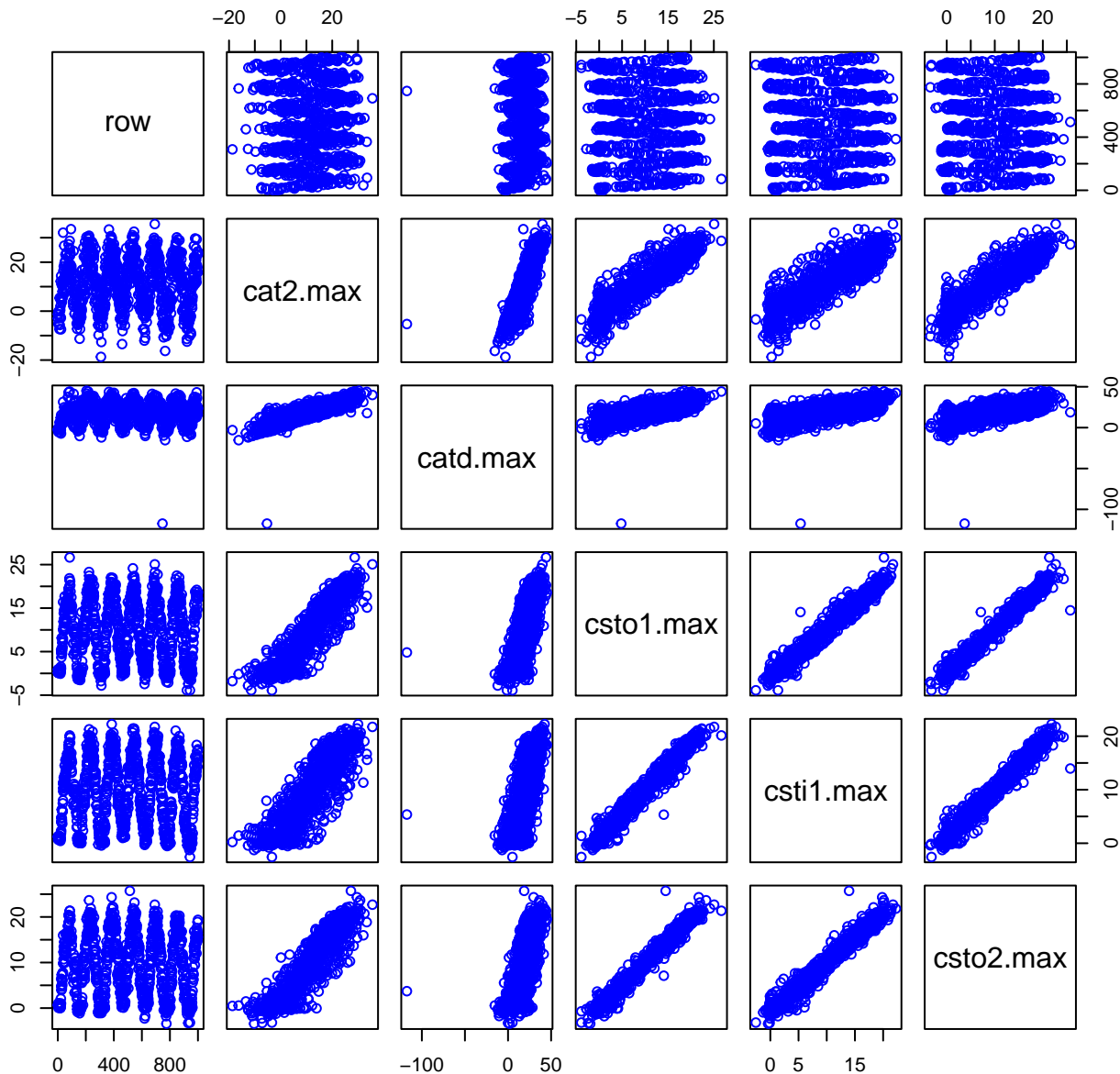
HF113-02 Plot 6



HF113-02 Plot 7



HF113-02 Plot 8



HF113-02 Plot 9

