

Harvard Forest Data Archive HF323-01

Data File:

Name = hf323-01-cold-phys.csv  
Description = cold physiology  
Rows = 84 Columns = 44  
MD5 checksum = 8c586f2a5dd9a35f61d8c13131aa3f53

Variables:

date = date collected  
lat = latitude (degree)  
lon = longitude (degree)  
altitude.ft = altitude (foot)  
temp = ground temperature (celsius)  
wind.speed = recorded wind speed at time of collection  
(metersPerSecond)  
humidity = recorded humidity at time of collection (dimensionless)  
wind.chill = recorded wind chill at time of collection (fahrenheit)  
heat.stress.index = heat stress index at time of collection  
(dimensionless)  
barometric.pressure = barometric pressure at time of collection  
(atmosphere)  
soil.temp = soil temperature at time of collection (celsius)  
ct.max = upper thermal limit, time at which ants lose motor function  
(mean) when  
    ramped at 0.1 degree C per minute (celsius)  
mat = from bioclim database: mean annual temperature (celsius)  
mdr = from bioclim database: mean diurnal temperature (celsius)  
iso = from bioclim database: isothermality (dimensionless)  
sd = from bioclim database: standard deviation (standard deviation  
    \*  
    10) (dimensionless)  
t.max = from bioclim database: thermal maximum (celsius)  
t.min = from bioclim database: thermal minimum (celsius)  
tar = from bioclim database: temperature annual range (celsius)  
twq = from bioclim database: mean temperature at wettest  
    quarter  
    (celsius)  
tdq = from bioclim database: mean temperature at driest  
    quarter  
    (celsius)  
t.warm.q = from bioclim database: mean temperature at warmest  
    quarter (celsius)  
t.min.q = from bioclim database: mean temperature at coldest  
    quarter (celsius)  
ap = from bioclim database: annual precipitation, mean (millimeter)  
pwm = from bioclim database: precipitation at wettest  
    month  
    (millimeter)  
pdm = from bioclim database: precipitation at driest month  
    (millimeter)  
psd = from bioclim database: precipitation standard deviation  
    (coefficient of  
    variation) (dimensionless)  
pwq = from bioclim database: precipitation at wettest  
    quarter  
    (millimeter)

pdq = from bioclim database: precipitation at driest  
quarter  
(millimeter)

p.warm.q = from bioclim database: precipitation at warmest  
quarter  
(millimeter)

p.min.q = from bioclim database: precipitation at coldest  
quarter  
(millimeter)

pretreat.temp = pre-treatment temperature (celsius)

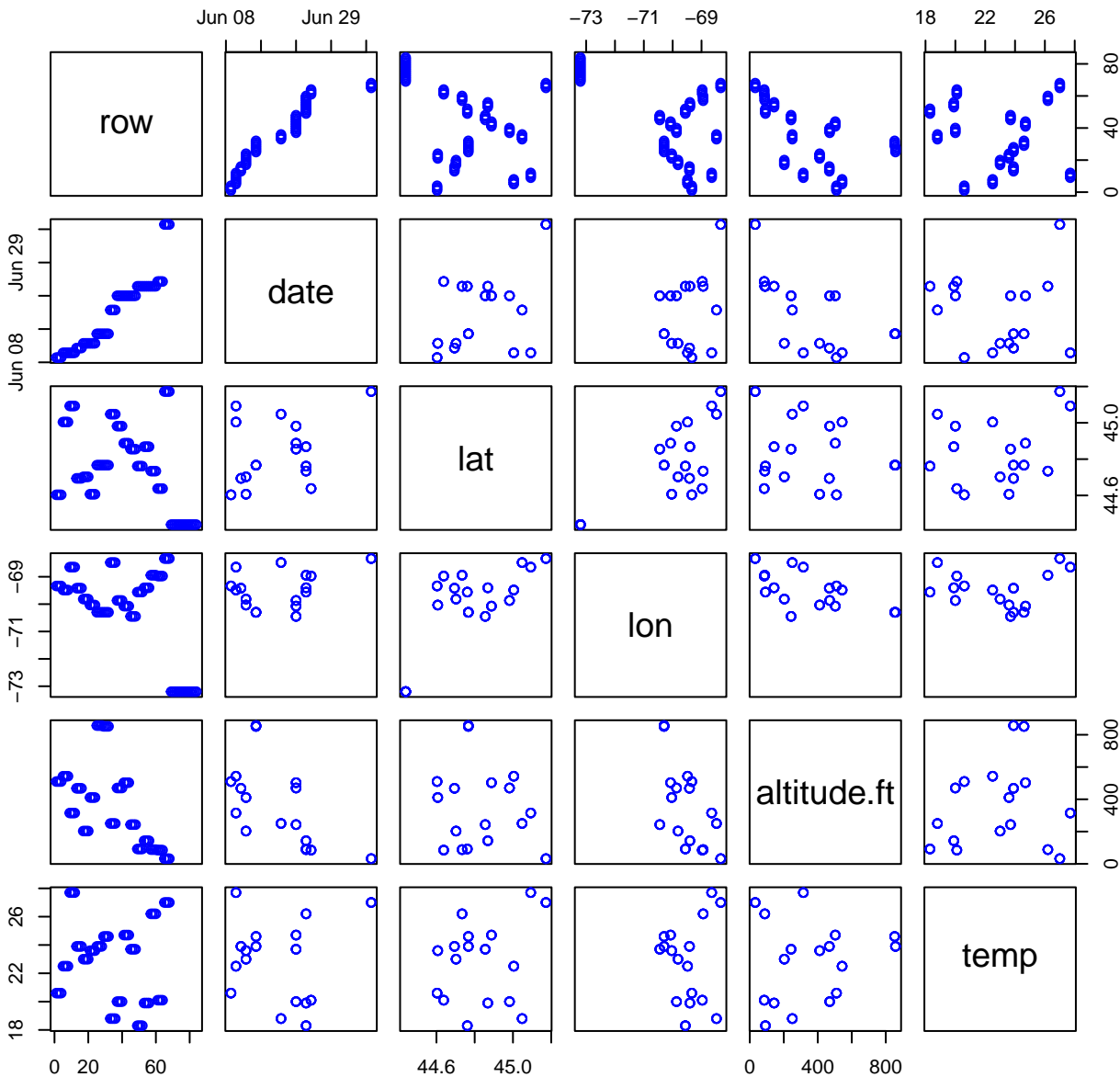
pre = chill coma recovery time after the pre-treatment temperature  
in  
seconds (second)

treatment.recovery.s = chill coma recovery time in seconds (second)

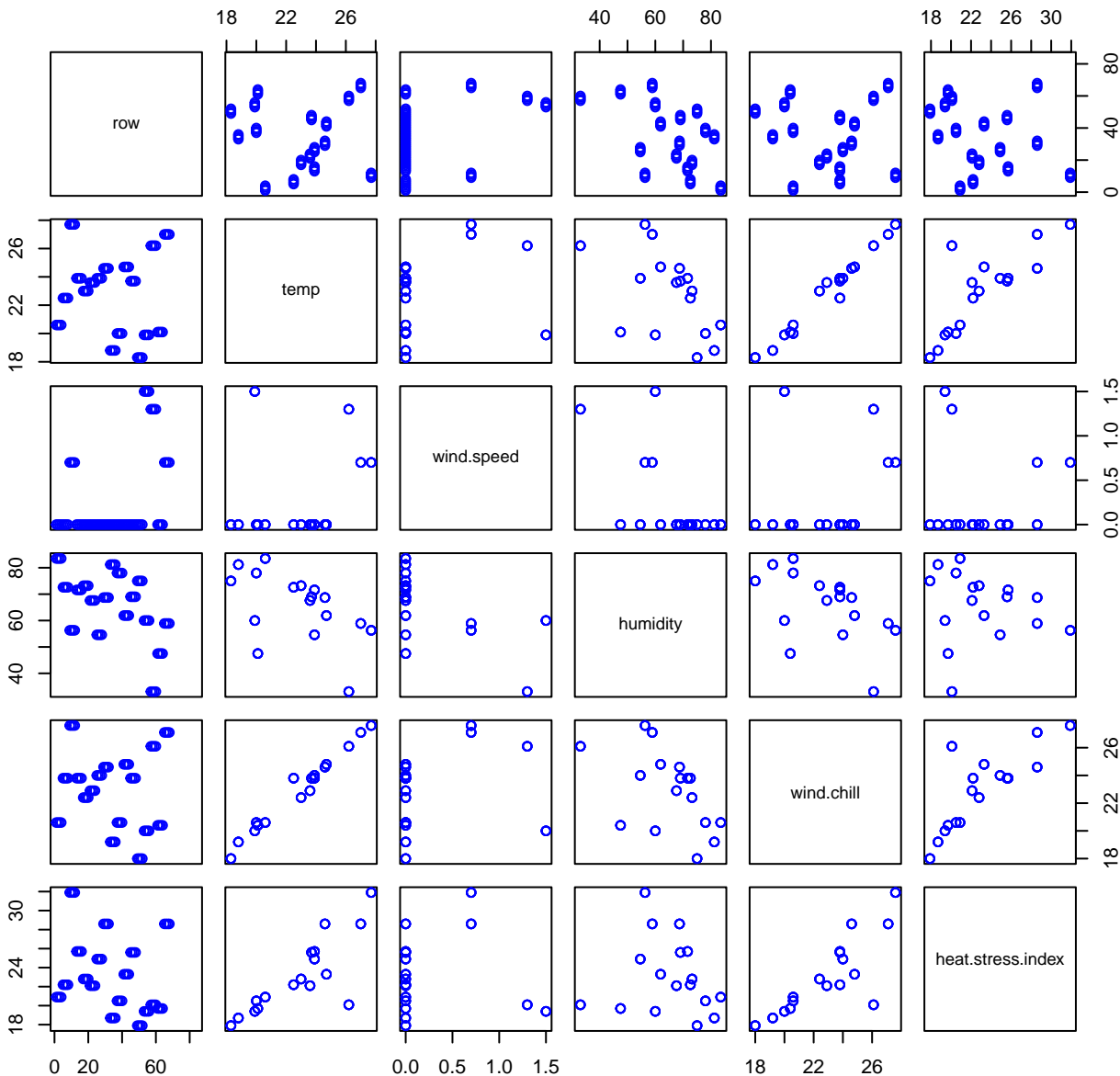
diff = the difference in chill coma recovery time between  
treatment.recovery.s  
and pre (second)

Variable	Min	Median	Mean	Max	NAs
date	2015-06-09	2015-06-19	2015-06-18	2015-07-07	16
lat	44.439	44.761	44.759	45.172	0
lon	-73.197	-69.815	-70.200	-68.334	0
altitude.ft	32.000	315.000	356.765	857.000	16
temp	18.300	23.600	22.853	27.700	16
wind.speed	0.000	0.000	0.247	1.500	16
humidity	33.100	68.700	65.453	83.500	16
wind.chill	18.000	23.800	22.924	27.600	16
heat.stress.	17.900	22.200	23.111	31.900	16
barometric.p	29.000	29.470	29.456	29.800	16
soil.temp	13.000	15.000	14.938	17.000	20
ct.max	36.750	40.900	40.419	41.475	0
mat	4.700	5.900	5.952	6.900	0
mdr	11.200	12.200	12.052	12.600	0
iso	0.270	0.290	0.288	0.300	0
sd	96.150	99.170	99.365	101.470	0
t.max	24.900	26.200	26.248	27.200	0
t.min	-16.500	-15.000	-14.943	-13.400	0
tar	39.400	41.200	41.190	42.300	0
twq	0.100	1.400	5.438	19.500	0
tdq	-7.400	-6.000	-6.138	-5.100	0
t.warm.q	17.000	18.400	18.333	19.500	0
t.min.q	-8.700	-7.400	-7.462	-6.400	0
ap	876.000	1067.000	1039.524	1129.000	0
pwm	102.000	112.000	110.524	122.000	0
pdm	45.000	69.000	66.190	80.000	0
psd	10.000	12.000	14.000	23.000	0
pwq	279.000	303.000	300.857	332.000	0
pdq	149.000	225.000	215.048	256.000	0
p.warm.q	256.000	279.000	274.429	296.000	0
p.min.q	154.000	242.000	230.238	276.000	0
pretreat.tem	-5.000	2.500	6.250	25.000	0
pre	0.000	367.417	338.166	817.000	0
treatment.re	289.000	549.958	567.256	1117.750	0
diff	-1117.750	-163.583	-229.090	314.750	0

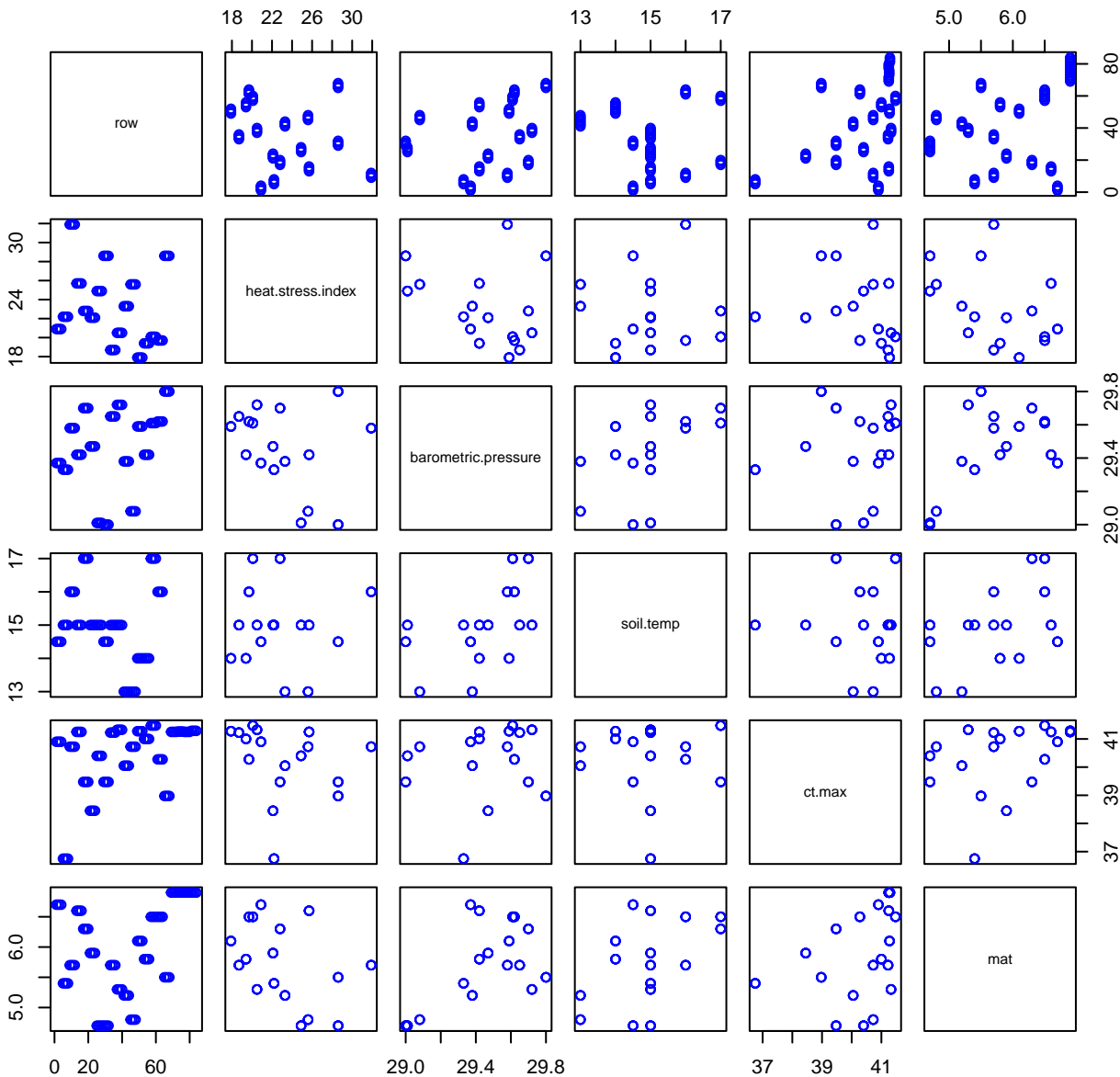
# HF323-01 Plot 1



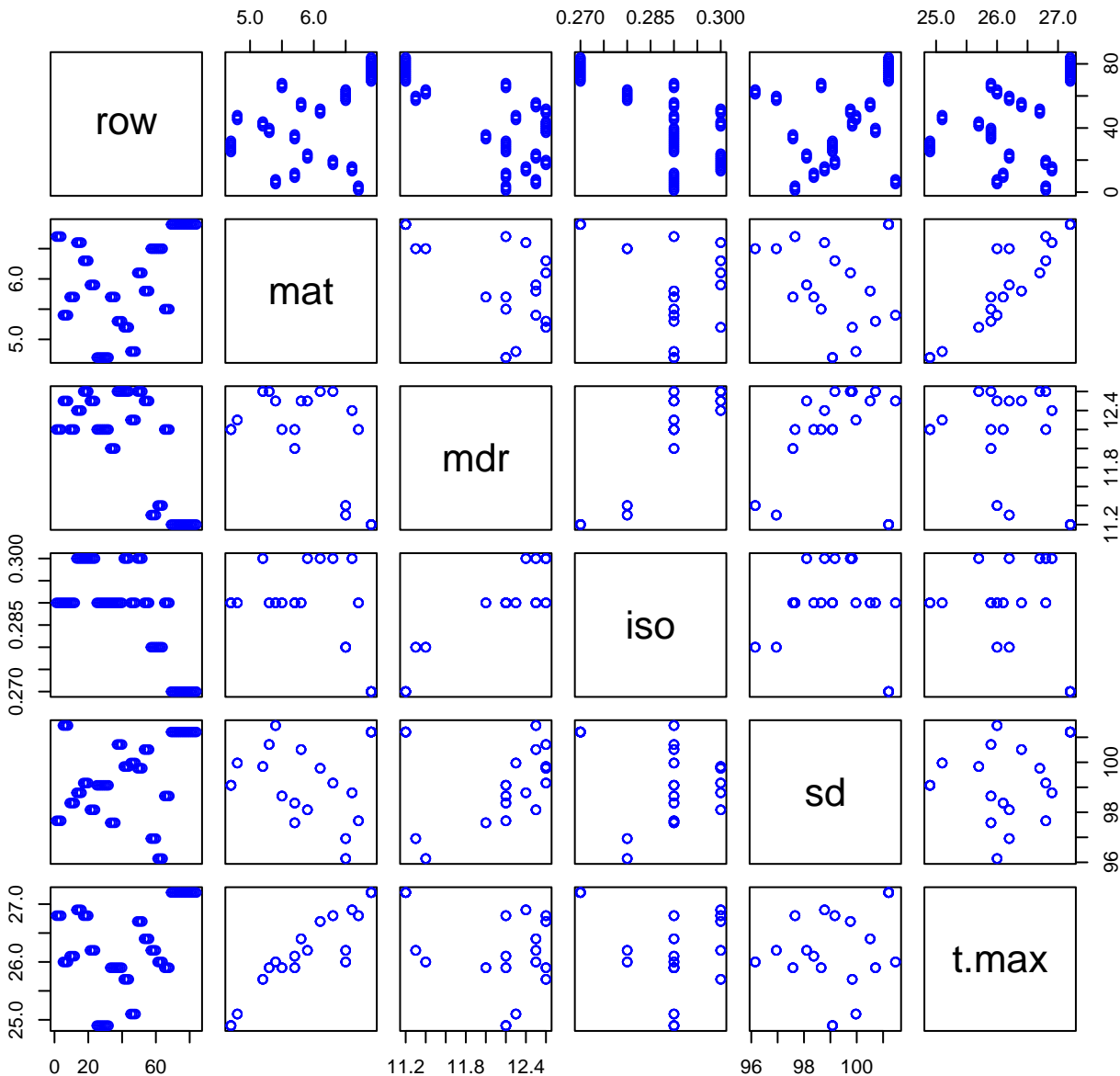
# HF323-01 Plot 2



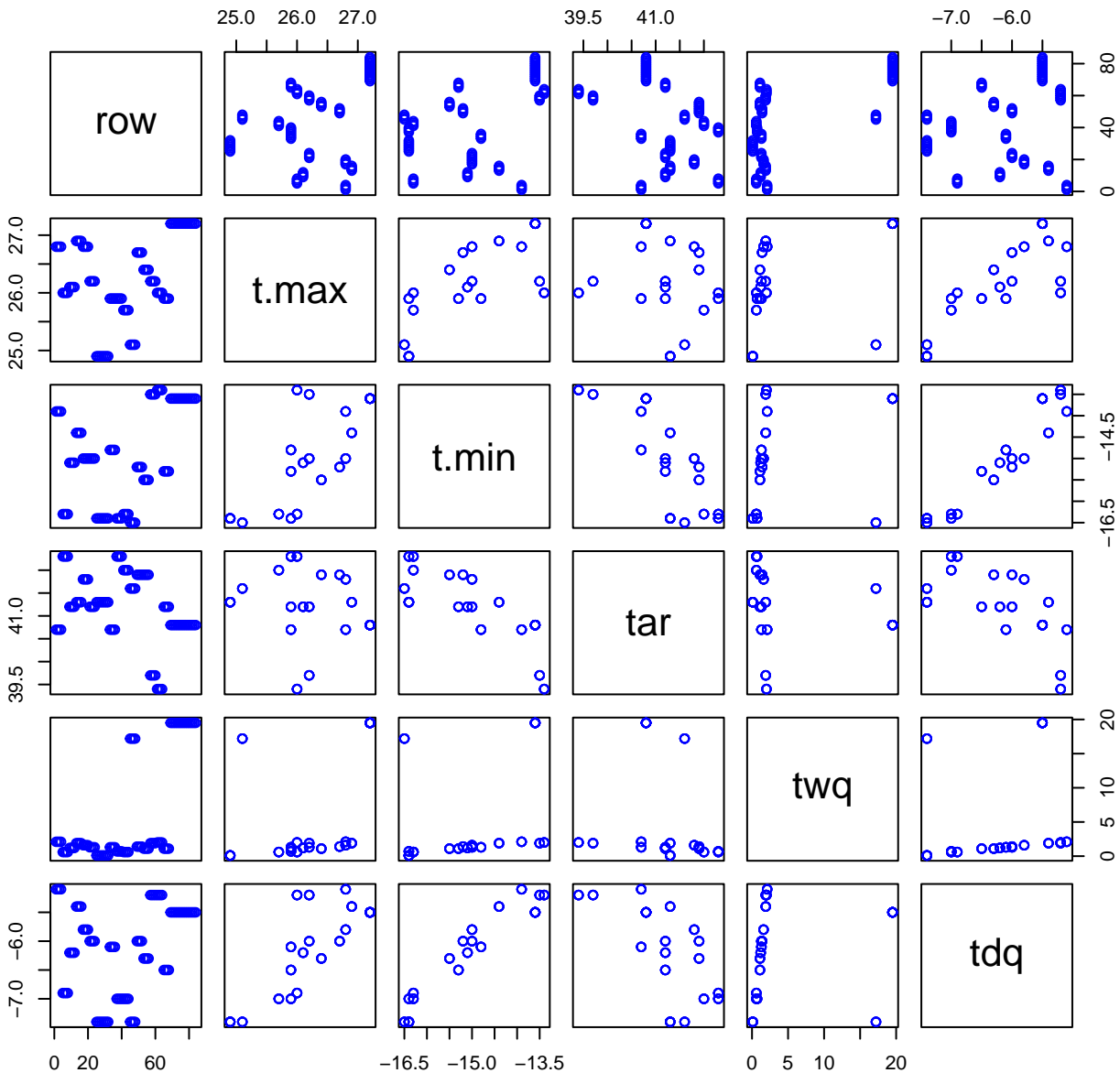
# HF323-01 Plot 3



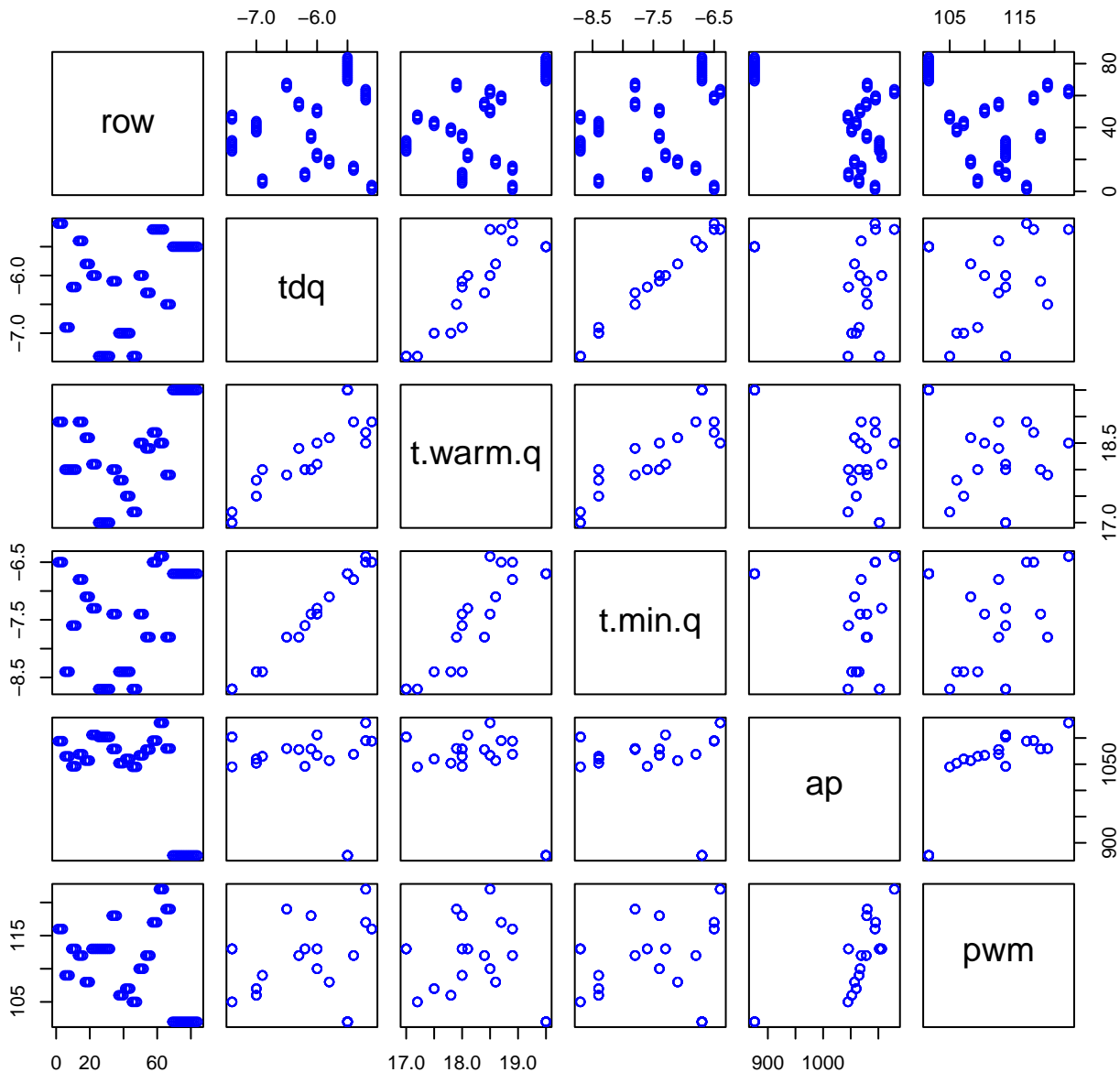
# HF323-01 Plot 4



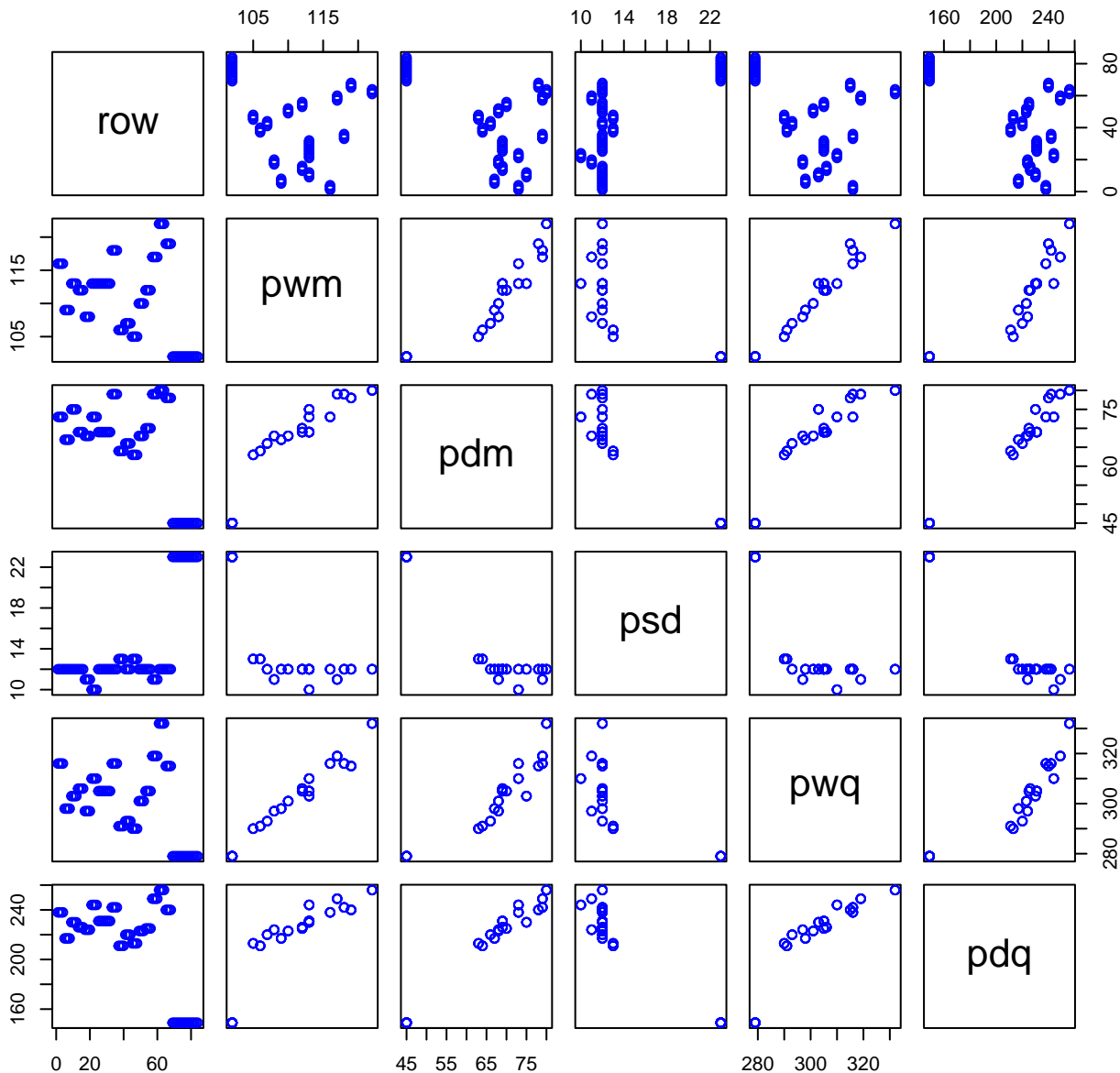
# HF323-01 Plot 5



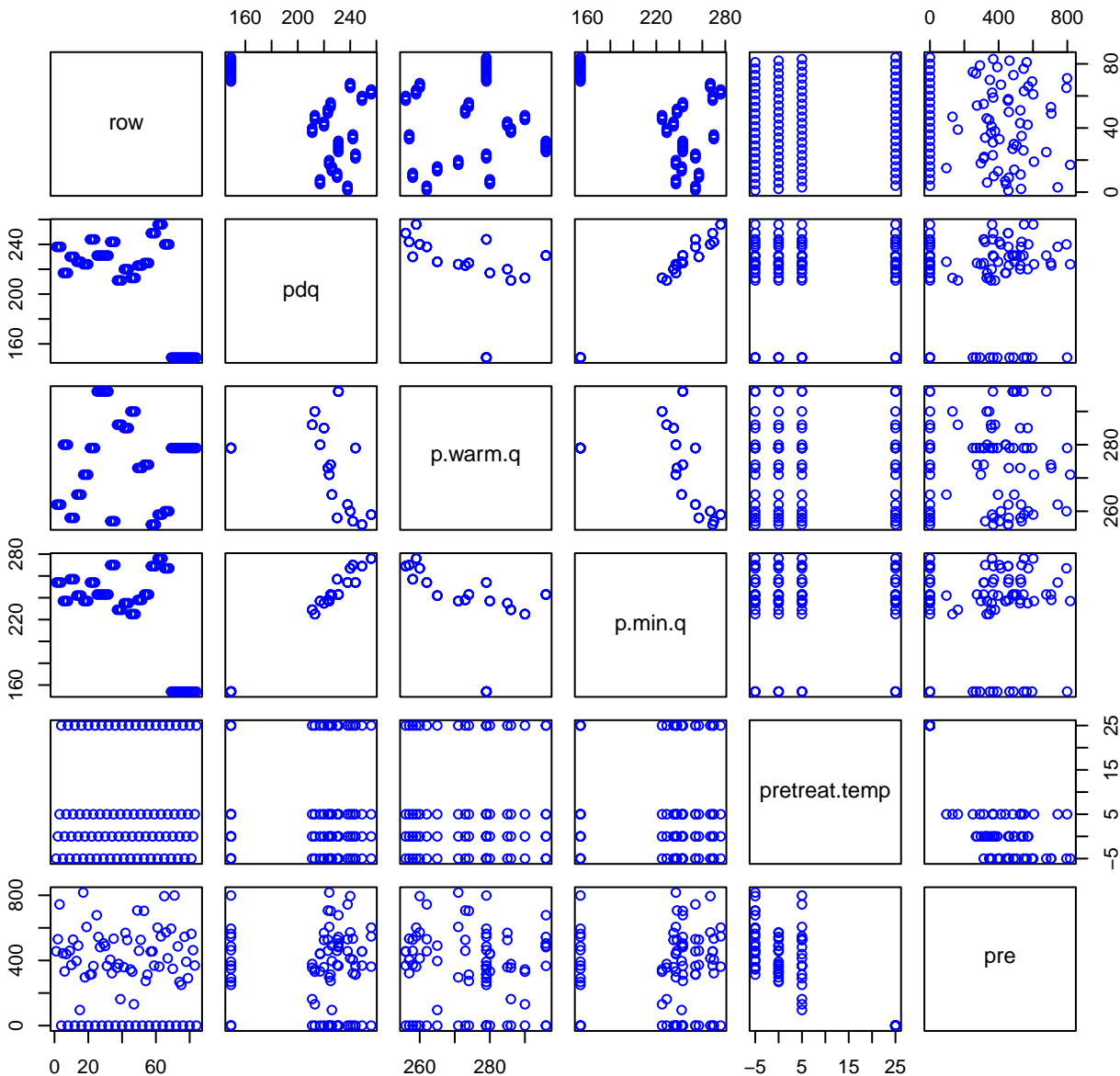
# HF323-01 Plot 6



# HF323-01 Plot 7



# HF323-01 Plot 8



# HF323-01 Plot 9

