

Harvard Forest Data Archive HF423-01

Data File:

Name = hf423-01-field-data.csv

Description = soil field data

Rows = 805 Columns = 11

MD5 checksum = d5328fcc0692ea4c266c9238fd1f6191

Variables:

dfe = distance from forest edge (meter)

DOY = day of year (1-365) measurement was taken (nominalDay)

Year = year measurement was taken

umol_m2_s_avg = mean soil respiration rate in umol of CO₂ / m² / second for a given distance from the edge. Reflects measurements from 2 collars (A&B replicates) at each distance from the edge (micromolePerMeterSquaredPerSecond)

umol_m2_s_ste = standard error on the mean soil respiration rate in umol of CO₂ / m² / second for a given distance from the edge. Reflects measurements from 2 collars (A&B replicates) at each distance from the edge (micromolePerMeterSquaredPerSecond)

Tsoil_C_avg = mean soil temperature in degrees Celsius for a given distance from the edge. Point measurements taken with hand probe concurrently with soil respiration measurement. Reflects measurements from 2 collars (A&B replicates) at each distance from the edge (celsius)

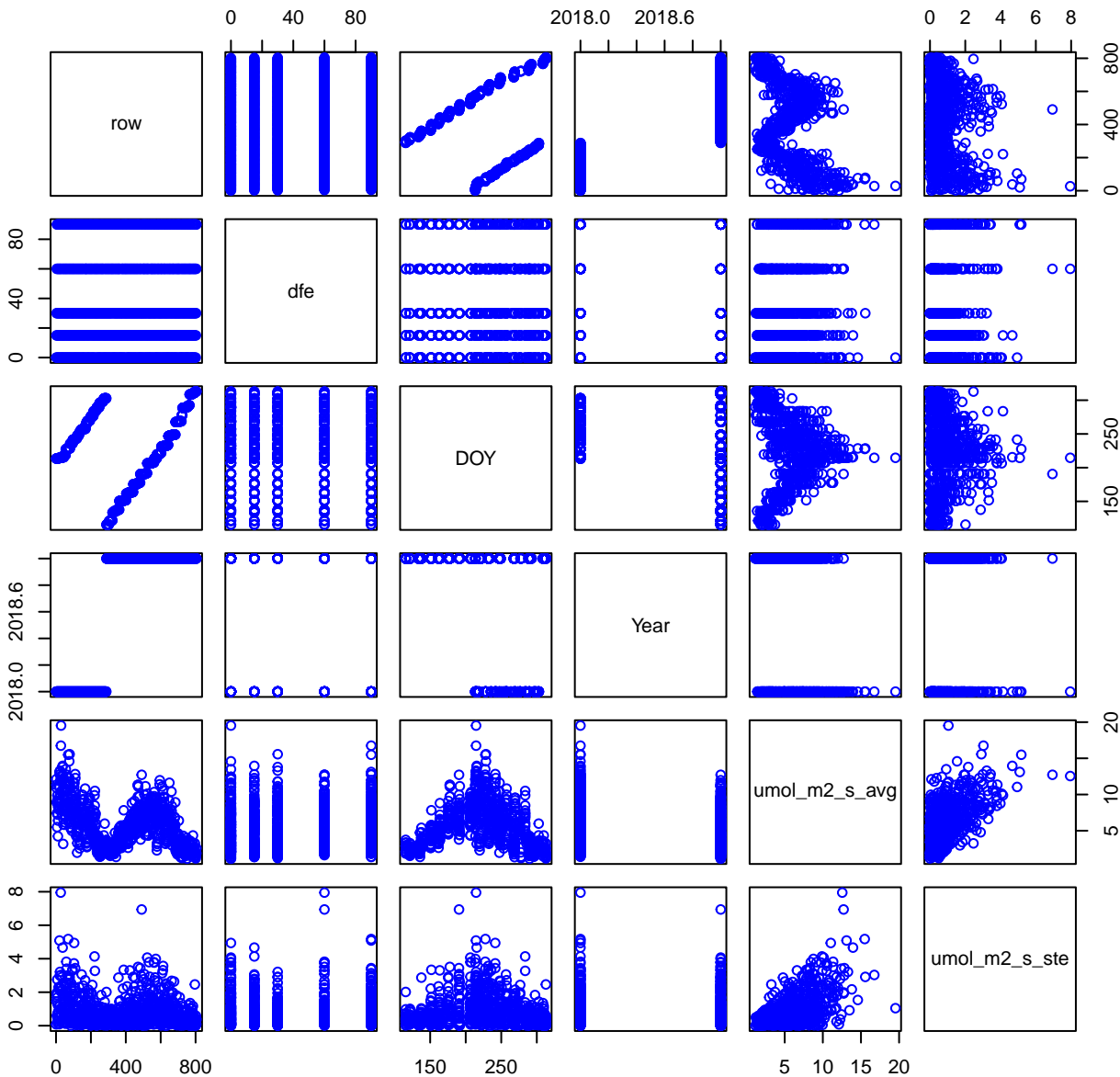
Tsoil_C_ste = standard error on the mean soil temperature in degrees Celsius for a given distance from the edge. Point measurements taken with hand probe concurrently with soil respiration measurement. Reflects measurements from 2 collars (A&B replicates) at each distance from the edge (celsius)

VWC_pct_avg = mean soil volumetric water content (m³ / m³, %) for a given distance from the edge. Point measurement taken with hand probe concurrently with soil respiration measurement. Reflects measurements from 2 collars (A&B replicates) at each distance from the edge (dimensionless)

VWC_pct_ste = standard error on the mean soil volumetric water content (m³ / m³, %) for a given distance from the edge. Point measurement taken with hand probe concurrently with soil respiration measurement. Reflects measurements from 2 collars (A&B replicates) at each distance from the edge (dimensionless)

Variable	Min	Median	Mean	Max	NAs
dfe	0.000	30.000	38.851	90.000	0
DOY	115.570	231.610	226.056	312.900	0
Year	2018.000	2019.000	2018.642	2019.000	0
umol_m2_s_av	1.135	5.316	5.616	19.526	1
umol_m2_s_st	0.000	0.602	0.905	7.949	41
Tsoil_C_avg	3.200	18.279	18.272	33.500	0
Tsoil_C_ste	0.000	0.174	0.302	6.010	31
VWC_pct_avg	0.007	0.145	0.162	0.600	2
VWC_pct_ste	0.000	0.019	0.028	0.164	39

HF423-01 Plot 1



HF423-01 Plot 2

