

Harvard Forest Data Archive HF102-02

Data File:

Name = hf102-02-rad-midpt2.csv

Description = radiation data (since 2006) midpt2 format

Rows = 17520 Columns = 15

MD5 checksum = ca8406247ba4960647ce87e0604f3e06

Variables:

datetime = date and time of data collection

year = year of data collection

dec.doy = decimal date at the middle of the interval (nominalDay)

doy = day of year (nominalDay)

hour = hour (nominalHour)

s.up = reflected global solar radiation. Downward fluxes are negative, upward fluxes are positive. (wattPerMeterSquared)

s.dn = incoming global solar radiation. Downward fluxes are negative, upward fluxes are positive. (wattPerMeterSquared)

l.up = upwelling longwave radiation. Downward fluxes are negative, upward fluxes are positive. (wattPerMeterSquared)

l.dn = downwelling longwave radiation. Downward fluxes are negative, upward fluxes are positive. (wattPerMeterSquared)

soilheat = soil heat flux at 7 cm, below OA (wattPerMeterSquared)

rn.sum = sum of Sup,Sdn,Lup,Ldn with appropriate signs applied.

Rnsum=(Sdn+Sup+Ldn+Lup) (wattPerMeterSquared)

par.up = upward photosynthetically active radiation. Downward fluxes are negative, upward fluxes are positive.
(millimolePerMeterSquaredPerSecond)

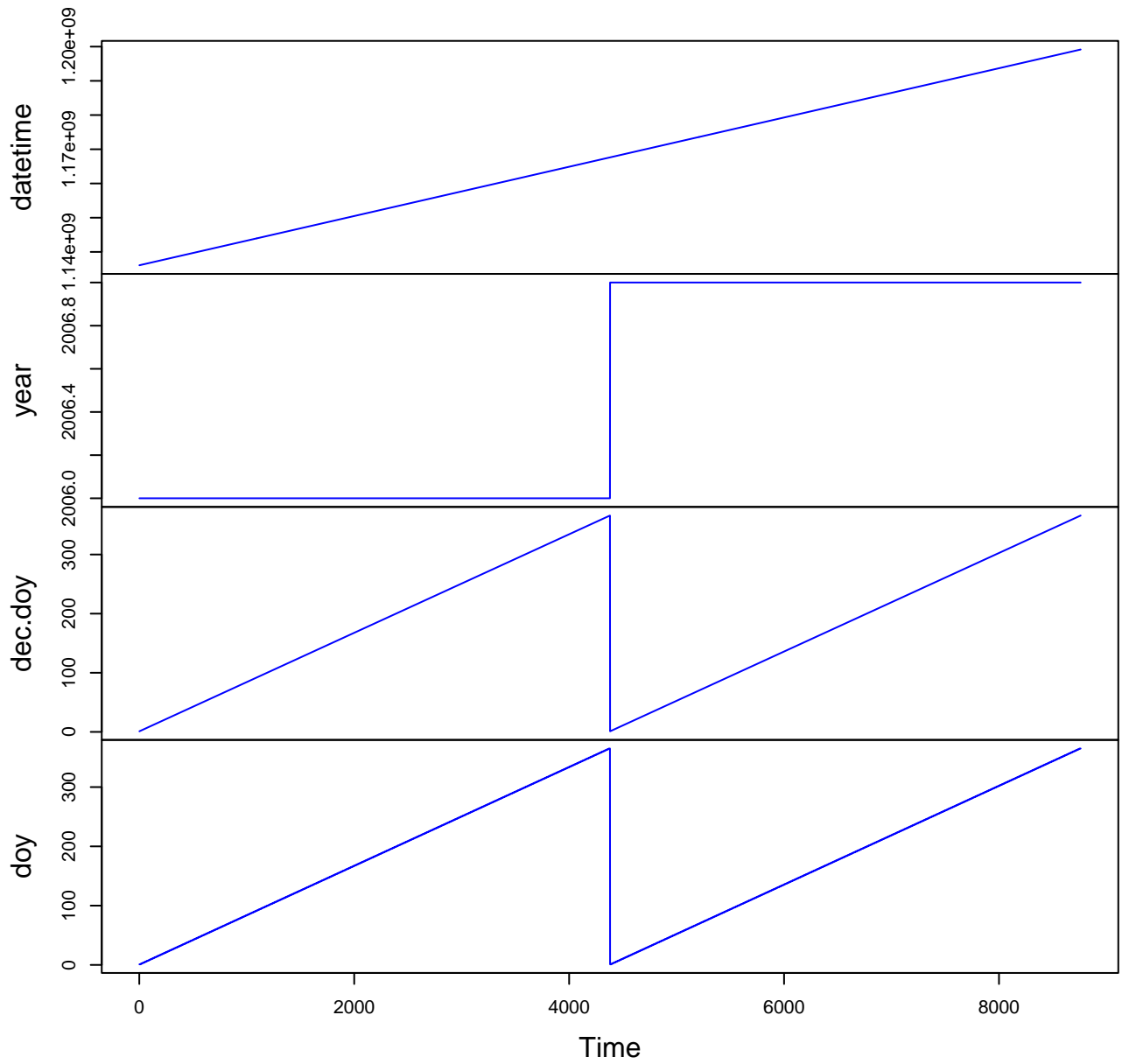
par.dn = downward photosynthetically active radiation. Downward fluxes are negative, upward fluxes are positive.
(millimolePerMeterSquaredPerSecond)

l.up.therm = upwelling longwave radiation signal from the pyrgeometer thermopile (wattPerMeterSquared)

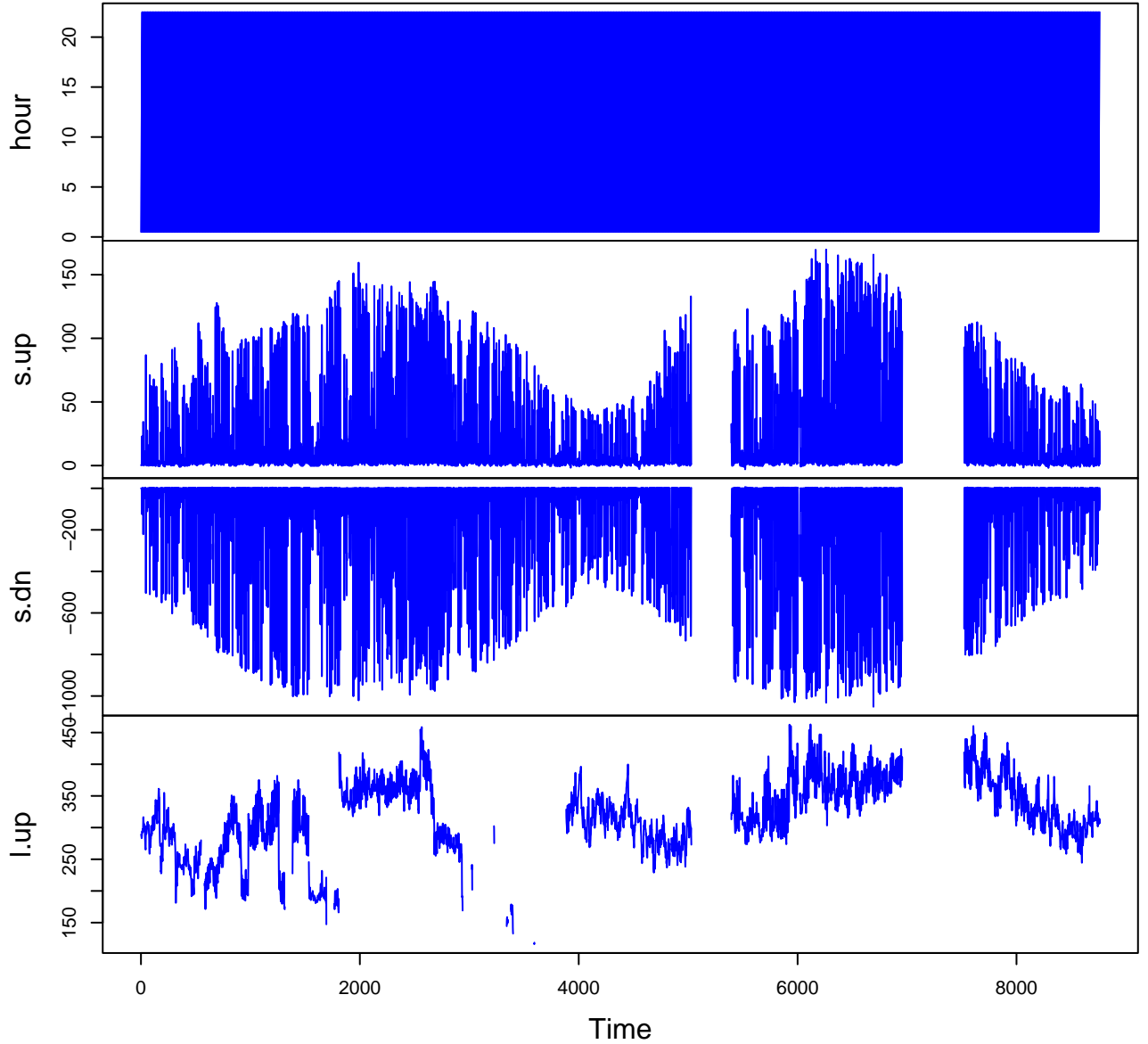
l.dn.therm = downwelling longwave radiation signal from the pyrgeometer thermopile (wattPerMeterSquared)

Variable	Min	Median	Mean	Max	NAs
datetime	2006-01-01T00:30		2007-12-31T23:30		0
year	2006.000	2006.500	2006.500	2007.000	0
dec.doy	1.021	183.500	183.500	365.979	0
doy	1.000	183.000	183.000	365.000	0
hour	0.500	12.000	12.000	23.500	0
s.up	-3.540	3.100	23.410	169.770	1932
s.dn	-1051.930	-4.865	-160.327	7.280	1932
l.up	114.760	319.575	318.318	462.910	4092
l.dn	-414.940	-279.065	-270.001	-55.810	4100
soilheat	-30.120	0.690	0.073	25.290	1389
rn.sum	-808.010	1.150	-88.574	118.130	1932
par.up	-2.190	0.250	12.888	187.670	1932
par.dn	-1992.520	-10.070	-302.568	3.570	1932
l.up.therm	-33.250	-1.340	-3.118	21.000	1933
l.dn.therm	-13.270	55.980	51.468	140.000	1933

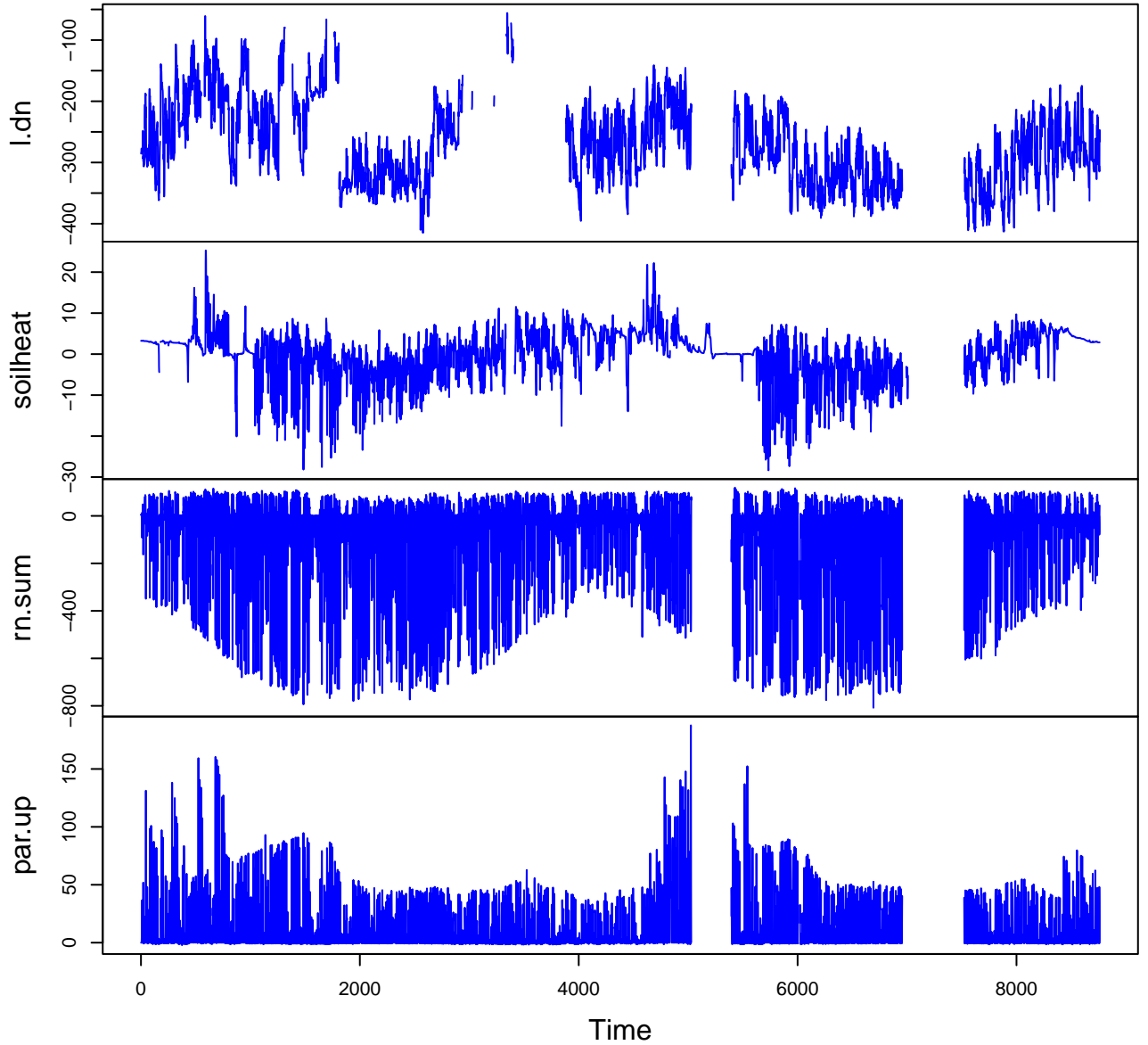
HF102-02 Plot 1



HF102-02 Plot 2



HF102-02 Plot 3



HF102-02 Plot 4

