

Harvard Forest Data Archive HF102-01

Data File:

Name = hf102-01-rad-midpt.csv

Description = radiation data (since 1991) midpt format

Rows = 135431 Columns = 14

MD5 checksum = 8b7b8caf16bd8c8ca70108c52b12ffe9

Variables:

datetime = date and time of data collection

year = year of data collection

dec.day = decimal date (nominalDay)

day = day of year (nominalDay)

hour = hour (nominalHour)

rn = net radiometer (wattPerMeterSquared)

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 (wattPerMeterSquared)

l.dn = downwelling longwave radiation (wattPerMeterSquared)

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

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

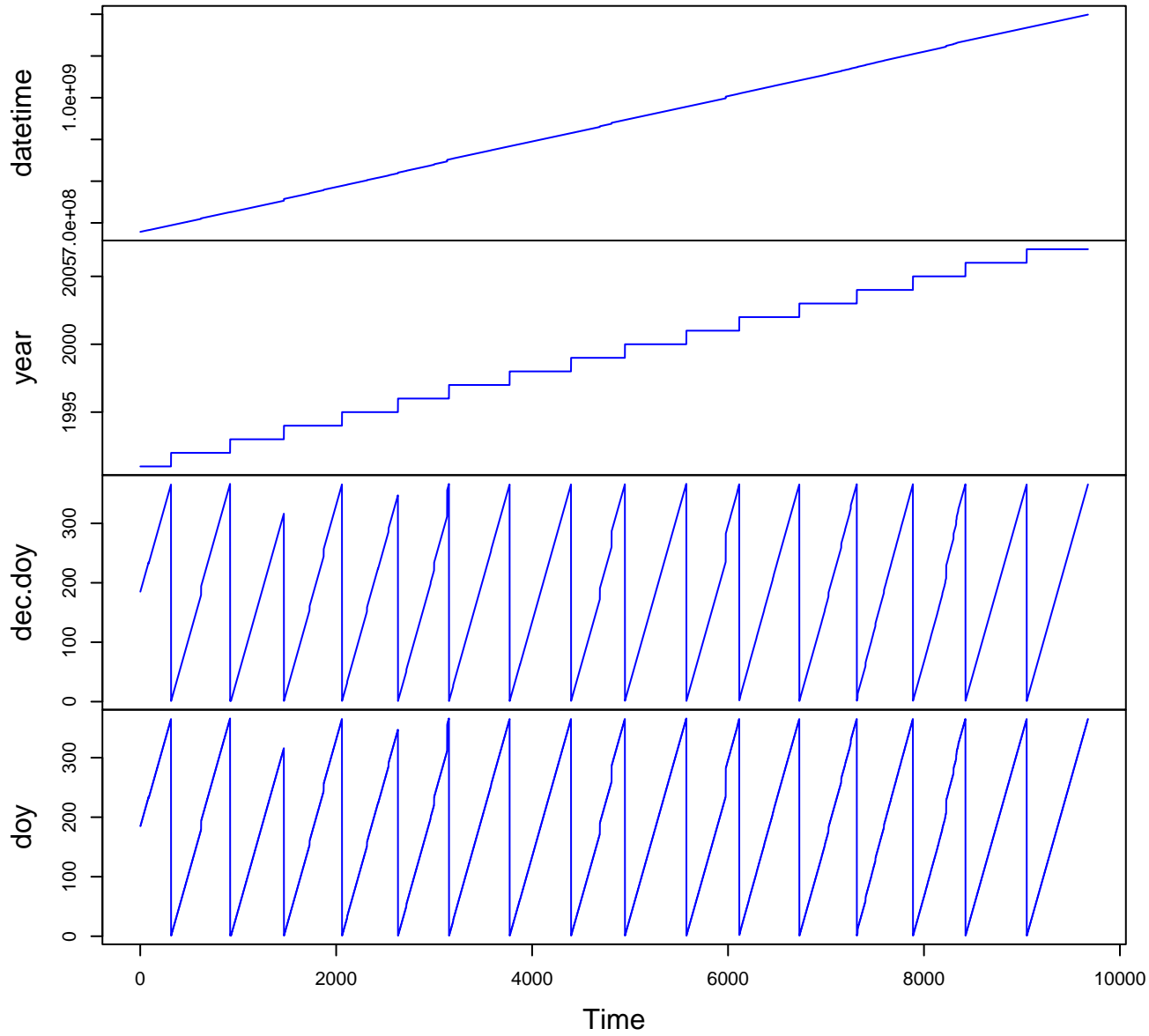
Rnsum=(Sdn+Sup-Ldn+Lup) (wattPerMeterSquared)

par.up = upward photosynthetically active radiation  
(millimolePerMeterSquaredPerSecond)

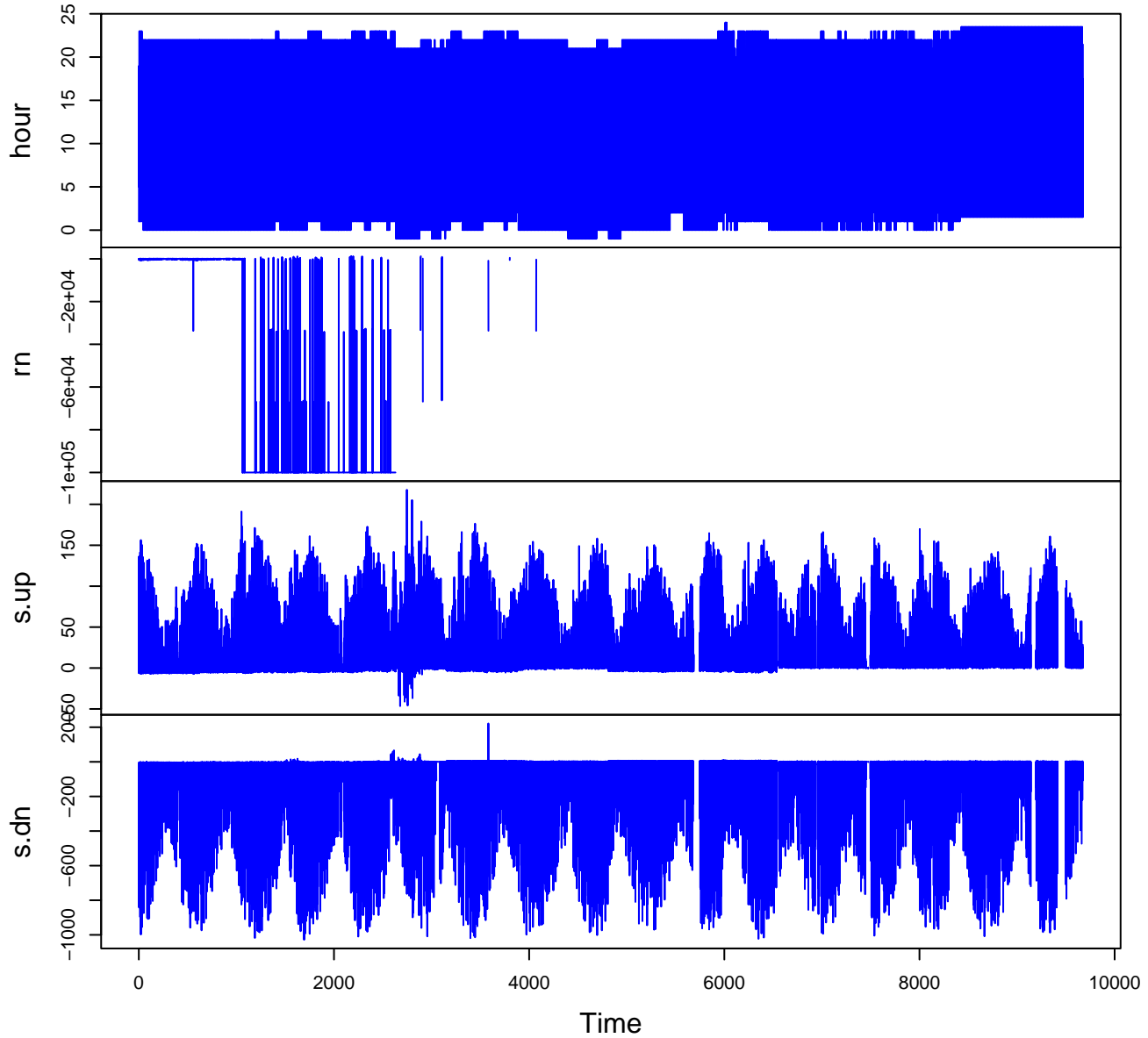
par.down = downward photosynthetically active radiation  
(millimolePerMeterSquaredPerSecond)

| Variable | Min              | Median     | Mean             | Max      | NAs   |
|----------|------------------|------------|------------------|----------|-------|
| datetime | 1991-07-04T01:00 |            | 2007-12-31T23:30 |          | 0     |
| year     | 1991.000         | 1999.000   | 1999.275         | 2007.000 | 0     |
| dec.doy  | 1.007            | 181.299    | 181.667          | 366.965  | 0     |
| doy      | 1.000            | 181.000    | 181.178          | 366.000  | 0     |
| hour     | -1.000           | 11.500     | 11.463           | 24.000   | 0     |
| rn       | -99999.000       | -99999.000 | -55438.243       | 1333.730 | 97624 |
| s.up     | -54.270          | 2.240      | 22.761           | 259.596  | 3745  |
| s.dn     | -1198.908        | -7.189     | -157.219         | 221.900  | 4043  |
| l.up     | 50.150           | 334.783    | 340.063          | 501.230  | 15748 |
| l.dn     | 50.750           | 298.730    | 294.659          | 496.443  | 16029 |
| soilheat | -74999.700       | 0.081      | -1.518           | 51.660   | 4425  |
| rn.sum   | -1189.096        | 0.350      | -83.225          | 360.040  | 16225 |
| par.up   | -6.650           | 0.010      | 5.449            | 850.600  | 8948  |
| par.down | -37.180          | 0.119      | 111.227          | 2054.340 | 7556  |

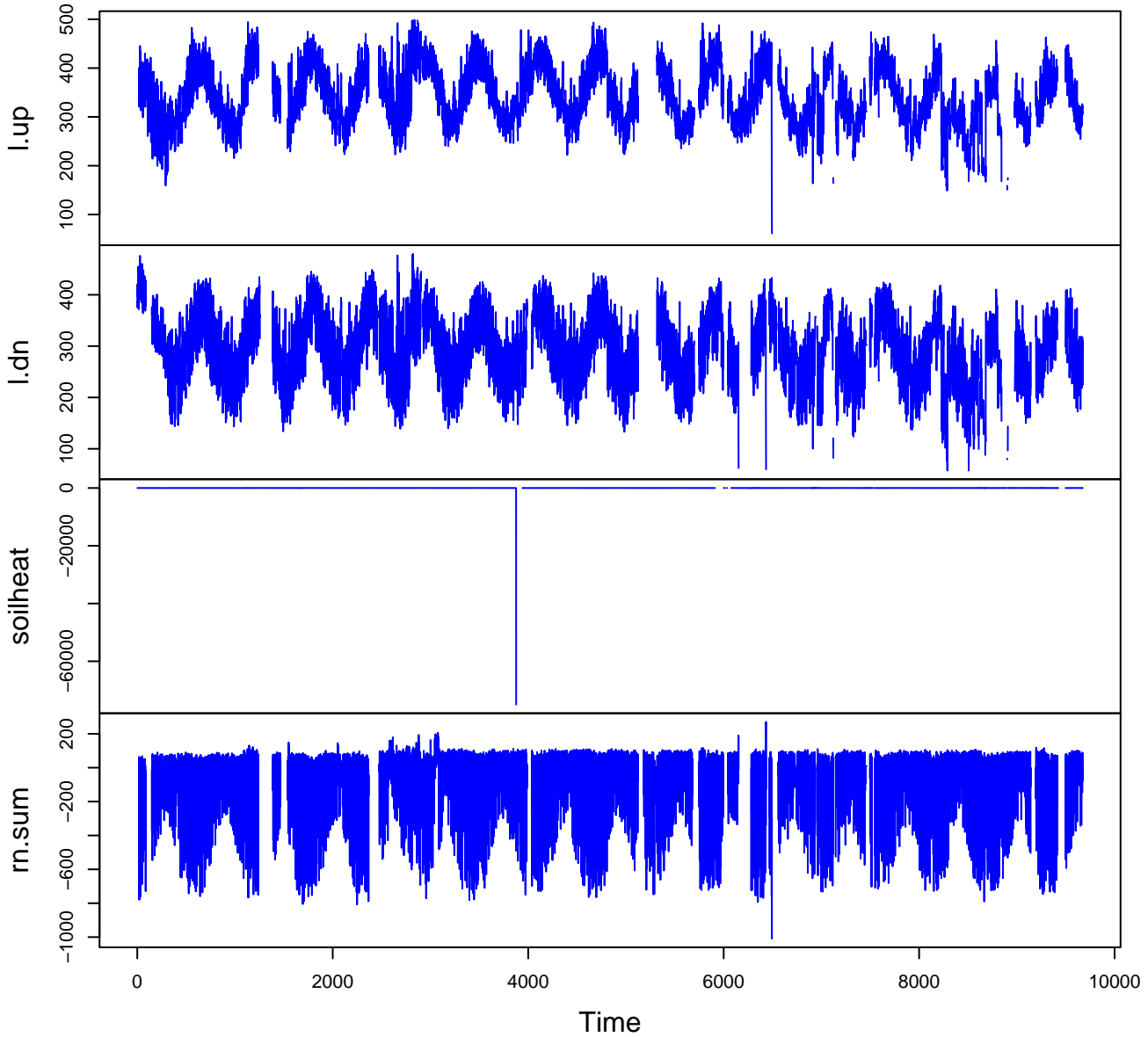
# HF102-01 Plot 1



# HF102-01 Plot 2



# HF102-01 Plot 3



# HF102-01 Plot 4

