

Harvard Forest Data Archive HF004-02

Data File:

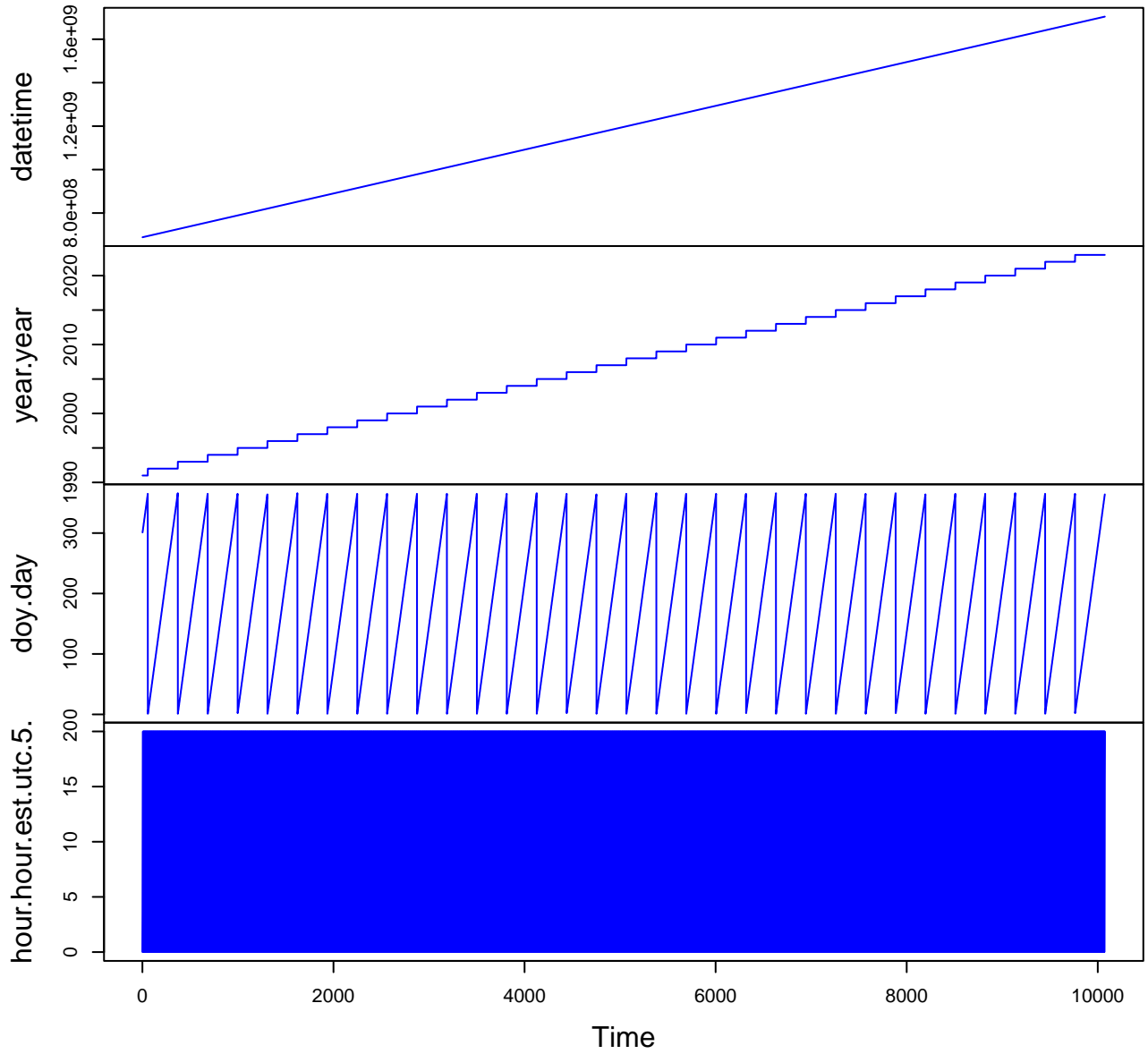
Name = hf004-02-filled.csv  
Description = filled data  
Rows = 282072 Columns = 36  
MD5 checksum = ace22d900b175b8d7ee3780ad6b20e8a

Variables:

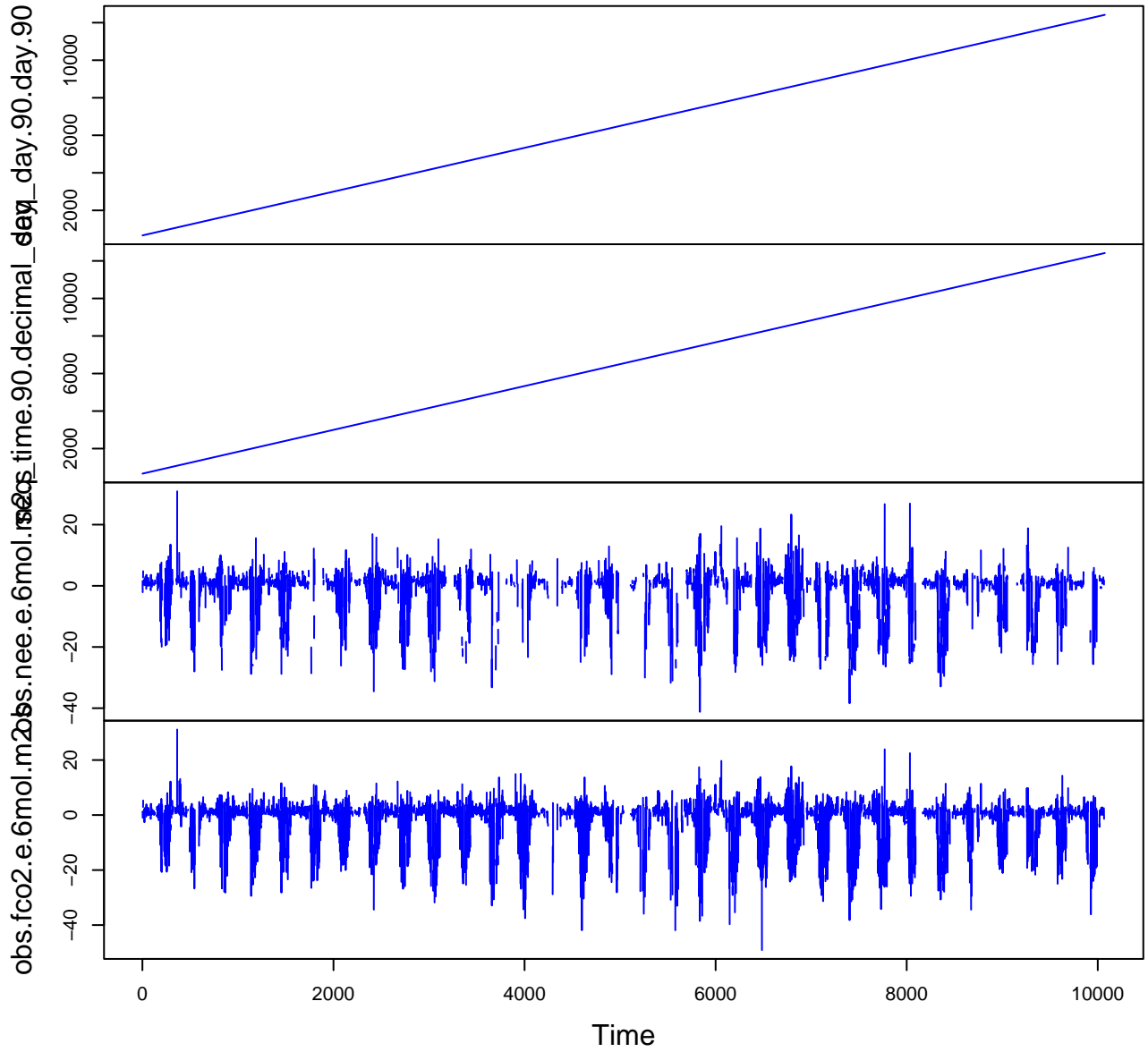
datetime = date and time  
year.year = year  
doy.day = day of year; January 1 = 1 (nominalDay)  
hour.hour.est.utc.5. = hour of day in EST; (EST=GMT-5) (nominalHour)  
seq\_day.90.day.90 = sequential day starting in 1990, 1 = Jan. 1 1990  
(nominalDay)  
seq\_time.90.decimal\_day = sequential time in fractional days; 1.5 is  
12 noon January 1 1990 (nominalDay)  
obs.nee.e.6mol.m2.s = observed NEE (FCO2 + storage) in micromoles  
CO2/m2/s (micromolePerMeterSquaredPerSecond)  
obs.fco2.e.6mol.m2.s = observed FCO2 (CO2 eddy covariance flux) in  
micromoleCO2/m2/s (micromolePerMeterSquaredPerSecond)  
fco2.corr.e.6mol.m2.s = observed FCO2 + storage correction  
(micromolePerMeterSquaredPerSecond)  
ustar.cm.s = observed  $u^*$  ( $u^* = \sqrt{-1 * <u'w'>}$ ) in cm/s  
(centimetersPerSecond)  
nee.e.6mol.m2.s = net ecosystem exchange filled by model in  
micromole CO2 /m2/s (micromolePerMeterSquaredPerSecond)  
resp.e.e.6mol.m2.s = ecosystem respiration filled and derived (see  
below) e-6mol/m2/s (micromolePerMeterSquaredPerSecond)  
gee.e.6mol.m2.s = gross ecosystem exchange derived and filled  
(micromolePerMeterSquaredPerSecond)  
obs\_ta\_.27m.c = observed air temperature at 27 m (top of tower)  
(celsius)  
ta.27m.filled.c = filled air temperature with missing points  
replaced by available data (celsius)  
ta.2.5m.c = observed air temperature at 2.5m above ground (celsius)  
ta.2.5m.filled.c = filled air temperature at 2.5 m above ground  
(celsius)  
par.28m.e.6mol.m2.s = observed photosynthetically active radiation  
(PPFD) at 28m (above the canopy) (micromolePerMeterSquaredPerSecond)  
par.28m.filled.e.6mol.m2.s = filled photosynthetically active  
radiation (PPFD) (micromolePerMeterSquaredPerSecond)  
pardir\_ue.m2.s = total PAR at 29 meters  
(microeinsteinPerMeterSquaredPerSecond)  
pardfs\_ue.m2.s = diffuse component of PAR at 29 meters  
(microeinsteinPerMeterSquaredPerSecond)

Variable	Min	Median	Mean	Max	NAs
datetime	1991-10-28T00:00		2023-12-31T23:00		0
year.year	1991.000	2007.000	2007.408	2023.000	0
doy.day	1.000	184.000	183.954	366.000	0
hour.hour.es	0.000	11.500	11.500	23.000	0
seq_day.90.d	666.000	6542.000	6542.000	12418.000	0
seq_time.90.	666.000	6542.479	6542.479	12418.958	0
obs.nee.e.6m	-49.300	0.900	-1.324	105.300	166726
obs.fco2.e.6	-49.100	0.800	-1.551	106.900	124052
fco2.corr.e.	-49.580	0.860	-1.595	107.700	124052
ustar.cm.s	0.100	47.000	51.648	220.900	69977
nee.e.6mol.m	-47.590	1.120	-0.827	107.700	0
resp.e.e.6mo	-11.800	2.530	3.133	107.700	0
gee.e.6mol.m	-60.220	0.000	-3.960	0.000	0
obs_ta_.27m.	-27.700	8.700	8.353	36.500	79730
ta.27m.fill	-27.700	8.700	8.310	35.000	0
ta.2.5m.c	-27.400	7.500	7.206	34.100	97717
ta.2.5m.fill	-27.800	7.800	7.414	32.900	24508
par.28m.e.6m	-19.700	18.000	306.886	2464.500	44585
par.28m.fill	-10.100	16.000	304.779	2381.000	0
pardir_ue.m2	-1.900	1.800	170.181	1760.300	187109
pardfs_ue.m2	0.000	19.100	142.579	1119.800	187109

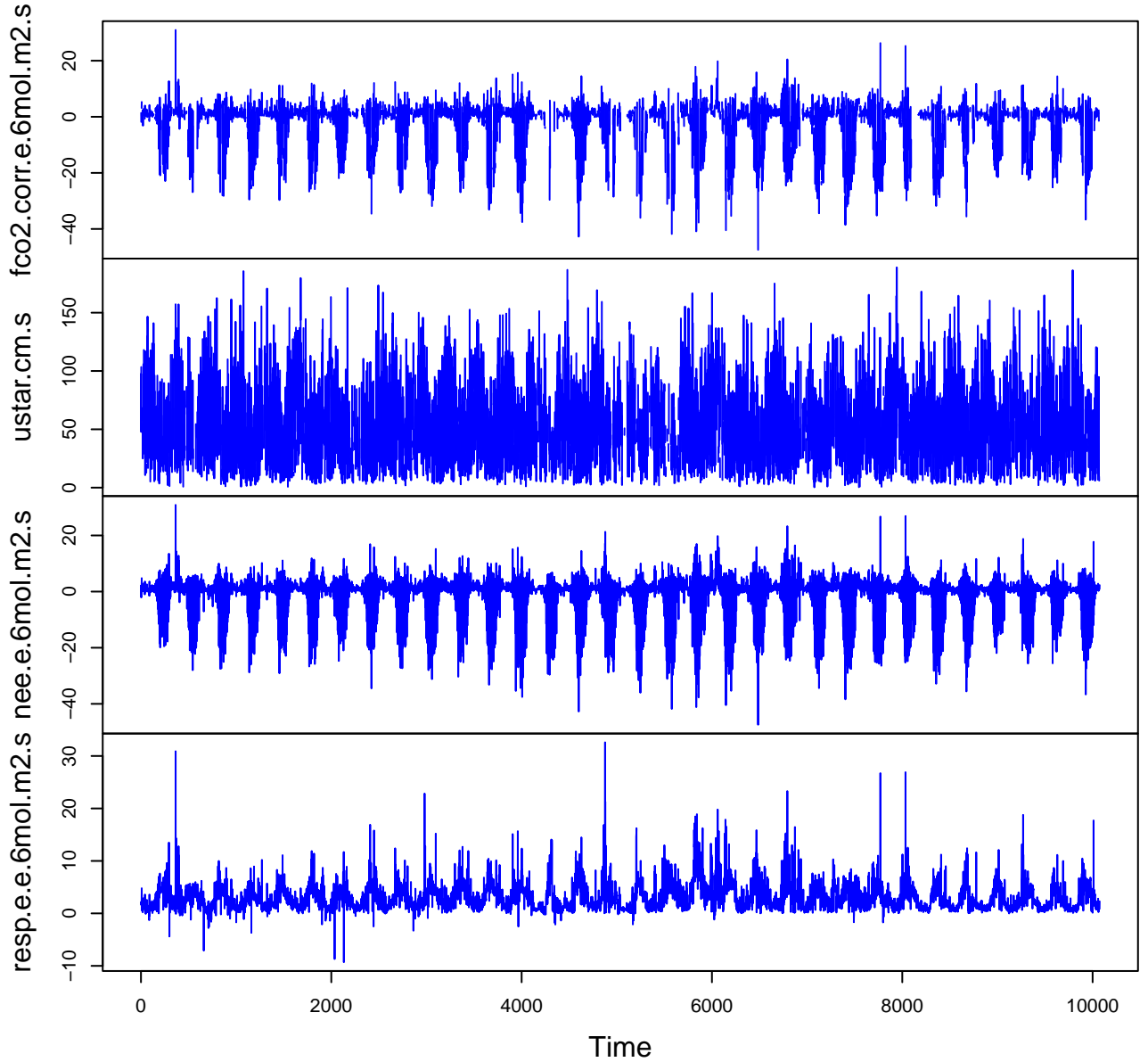
# HF004-02 Plot 1



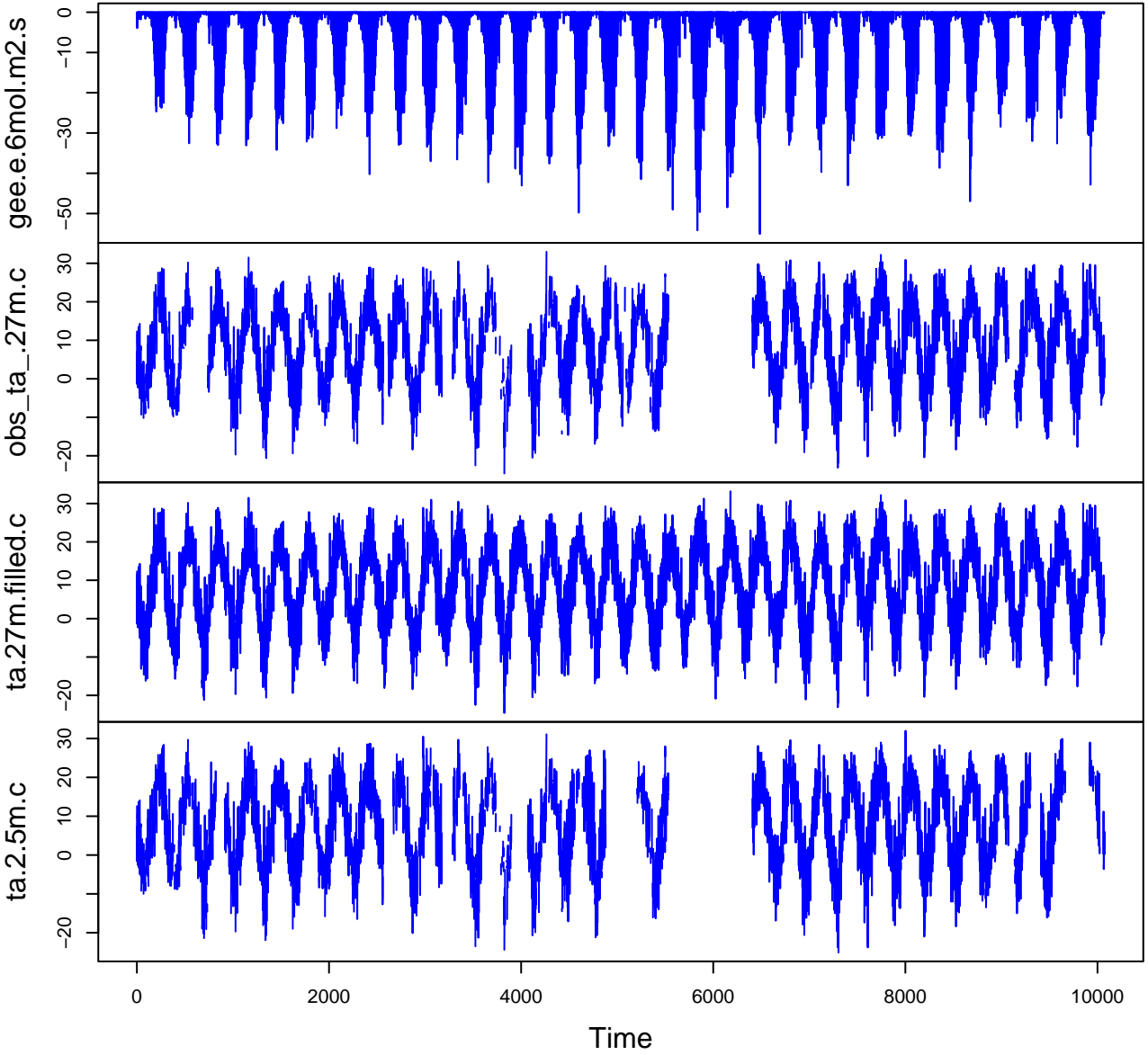
# HF004-02 Plot 2



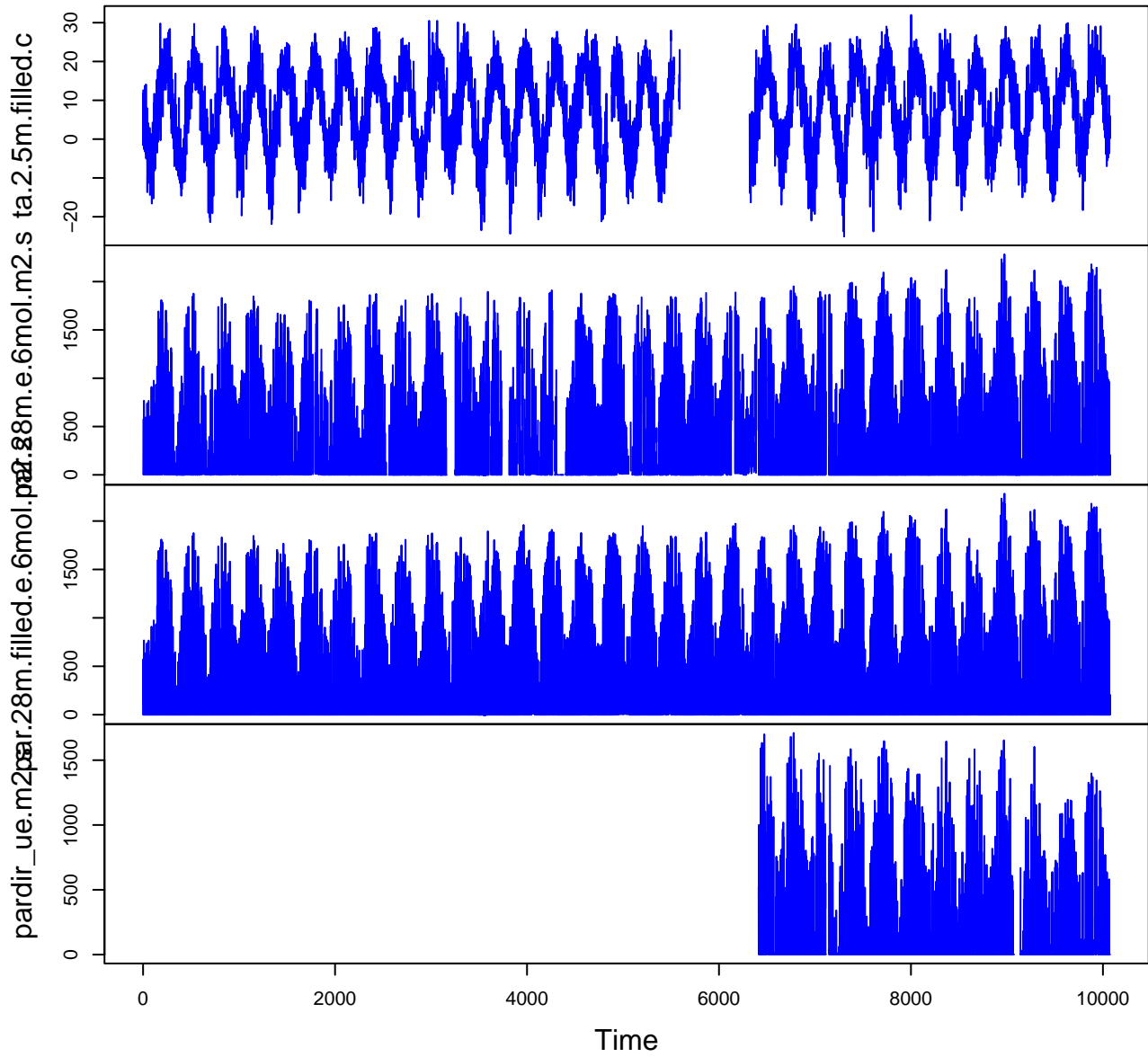
# HF004-02 Plot 3



# HF004-02 Plot 4



# HF004-02 Plot 5



# HF004-02 Plot 6

