

Harvard Forest Data Archive HF108-01

Data File:

Name = hf108-01-air-soil-temp-2004-2011.csv
Description = air and soil temperature, 2004-2011
Rows = 61395 Columns = 93
MD5 checksum = 0fd7d084f6c36c8573346d2baca1545c

Variables:

datetime = date and time (EST)
year = year
month = month (number)
week = week. This column is useful for plotting the data.
(nominalWeek)
ym = year and month. This column is useful for plotting the data.
(number)
yw = year and week. This column is useful for plotting the data.
(number)
doy = day of year (nominalDay)
hour = hour in 24-hour format (EST) (number)
daytime = a composite of day (integer) + time (in 1/24ths). The
value for the initial measurement year is the actual julian day + hours
(in 1/24ths); subsequent years add 365 to day (for 2005), etc. This
column is useful for plotting the data. (nominalDay)
meanair1 = the mean hourly air temperature (degrees C; N = 60) in
plot 1 (celsius)
meanair2 = the mean hourly air temperature (degrees C; N = 60) in
plot 2 (celsius)
meanair3 = the mean hourly air temperature (degrees C; N = 60) in
plot 3 (celsius)
meanair4 = the mean hourly air temperature (degrees C; N = 60) in
plot 4 (celsius)
meanair5 = the mean hourly air temperature (degrees C; N = 60) in
plot 5 (celsius)
meanair6 = the mean hourly air temperature (degrees C; N = 60) in
plot 6 (celsius)
meanair7 = the mean hourly air temperature (degrees C; N = 60) in
plot 7 (celsius)
meanair8 = the mean hourly air temperature (degrees C; N = 60) in
plot 8 (celsius)
meanmineralsoil1 = the mean hourly soil temperature in the mineral
layer (degrees C; N = 60) in plot 1 (celsius)
meanmineralsoil2 = the mean hourly soil temperature in the mineral
layer (degrees C; N = 60) in plot 2 (celsius)
meanmineralsoil3 = the mean hourly soil temperature in the mineral
layer (degrees C; N = 60) in plot 3 (celsius)
meanmineralsoil4 = the mean hourly soil temperature in the mineral
layer (degrees C; N = 60) in plot 4 (celsius)
meanmineralsoil5 = the mean hourly soil temperature in the mineral
layer (degrees C; N = 60) in plot 5 (celsius)

meanmineralsoil6 = the mean hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 6 (celsius)

meanmineralsoil7 = the mean hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 7 (celsius)

meanmineralsoil8 = the mean hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 8 (celsius)

meanorgsoil1 = the mean hourly soil temperature in the organic layer (degrees C; N = 60) in plot 1 (celsius)

meanorgsoil2 = the mean hourly soil temperature in the organic layer (degrees C; N = 60) in plot 2 (celsius)

meanorgsoil3 = the mean hourly soil temperature in the organic layer (degrees C; N = 60) in plot 3 (celsius)

meanorgsoil4 = the mean hourly soil temperature in the organic layer (degrees C; N = 60) in plot 4 (celsius)

meanorgsoil5 = the mean hourly soil temperature in the organic layer (degrees C; N = 60) in plot 5 (celsius)

meanorgsoil6 = the mean hourly soil temperature in the organic layer (degrees C; N = 60) in plot 6 (celsius)

meanorgsoil7 = the mean hourly soil temperature in the organic layer (degrees C; N = 60) in plot 7 (celsius)

meanorgsoil8 = the mean hourly soil temperature in the organic layer (degrees C; N = 60) in plot 8 (celsius)

meanref = the average internal panel temperature (degrees C) of datalogger 1 for Plots 1-3 (celsius)

meanref2 = the average internal panel temperature (degrees C) of datalogger 2 for Plots 4-6 (celsius)

meanref7 = the average internal panel temperature (degrees C) of the datalogger for Plot 7 (celsius)

meanref8 = the average internal panel temperature (degrees C) of the datalogger for Plot 8 (celsius)

minair1 = the minimum hourly air temperature (degrees C; N = 60) in plot 1 (celsius)

minair2 = the minimum hourly air temperature (degrees C; N = 60) in plot 2 (celsius)

minair3 = the minimum hourly air temperature (degrees C; N = 60) in plot 3 (celsius)

minair4 = the minimum hourly air temperature (degrees C; N = 60) in plot 4 (celsius)

minair5 = the minimum hourly air temperature (degrees C; N = 60) in plot 5 (celsius)

minair6 = the minimum hourly air temperature (degrees C; N = 60) in plot 6 (celsius)

minair7 = the minimum hourly air temperature (degrees C; N = 60) in plot 7 (celsius)

minair8 = the minimum hourly air temperature (degrees C; N = 60) in plot 8 (celsius)

minmineralsoil1 = the minimum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 1 (celsius)

minmineralsoil2 = the minimum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 2 (celsius)

minmineralsoil3 = the minimum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 3 (celsius)

minmineralsoil4 = the minimum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 4 (celsius)

minmineralsoil5 = the minimum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 5 (celsius)

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minorgsoil1 = the minimum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 1 (celsius)

minorgsoil2 = the minimum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 2 (celsius)

minorgsoil3 = the minimum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 3 (celsius)

minorgsoil4 = the minimum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 4 (celsius)

minorgsoil5 = the minimum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 5 (celsius)

minorgsoil6 = the minimum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 6 (celsius)

minorgsoil7 = the minimum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 7 (celsius)

minorgsoil8 = the minimum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 8 (celsius)

minref = the minimum internal temperature (degrees C) of datalogger 1 for Plots 1-3 (celsius)

minref2 = the minimum internal temperature (degrees C) of datalogger 2 for Plots 4-6 (celsius)

minref7 = the minimum internal temperature (degrees C) of the datalogger for Plot 7 (celsius)

minref8 = the minimum internal temperature (degrees C) of the datalogger for Plot 8 (celsius)

maxair1 = the maximum hourly air temperature (degrees C; N = 60) in plot 1 (celsius)

maxair2 = the maximum hourly air temperature (degrees C; N = 60) in plot 2 (celsius)

maxair3 = the maximum hourly air temperature (degrees C; N = 60) in plot 3 (celsius)

maxair4 = the maximum hourly air temperature (degrees C; N = 60) in plot 4 (celsius)

maxair5 = the maximum hourly air temperature (degrees C; N = 60) in plot 5 (celsius)

maxair6 = the maximum hourly air temperature (degrees C; N = 60) in plot 6 (celsius)

maxair7 = the maximum hourly air temperature (degrees C; N = 60) in plot 7 (celsius)

maxair8 = the maximum hourly air temperature (degrees C; N = 60) in plot 8 (celsius)

maxmineralsoil1 = the maximum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 1 (celsius)

maxmineralsoil2 = the maximum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 2 (celsius)

maxmineralsoil3 = the maximum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 3 (celsius)

maxmineralsoil4 = the maximum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 4 (celsius)

maxmineralsoil5 = the maximum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 5 (celsius)

maxmineralsoil6 = the maximum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 6 (celsius)

maxmineralsoil7 = the maximum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 7 (celsius)

maxmineralsoil8 = the maximum hourly soil temperature in the mineral layer (degrees C; N = 60) in plot 8 (celsius)

maxorgsoil1 = the maximum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 1 (celsius)

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maxorgsoil3 = the maximum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 3 (celsius)

maxorgsoil4 = the maximum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 4 (celsius)

maxorgsoil5 = the maximum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 5 (celsius)

maxorgsoil6 = the maximum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 6 (celsius)

maxorgsoil7 = the maximum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 7 (celsius)

maxorgsoil8 = the maximum hourly soil temperature in the organic layer (degrees C; N = 60) in plot 8 (celsius)

maxref = the maximum internal temperature (degrees C) of datalogger 1 for Plots 1-3 (celsius)

maxref2 = the maximum internal temperature (degrees C) of datalogger 2 for Plots 4-6 (celsius)

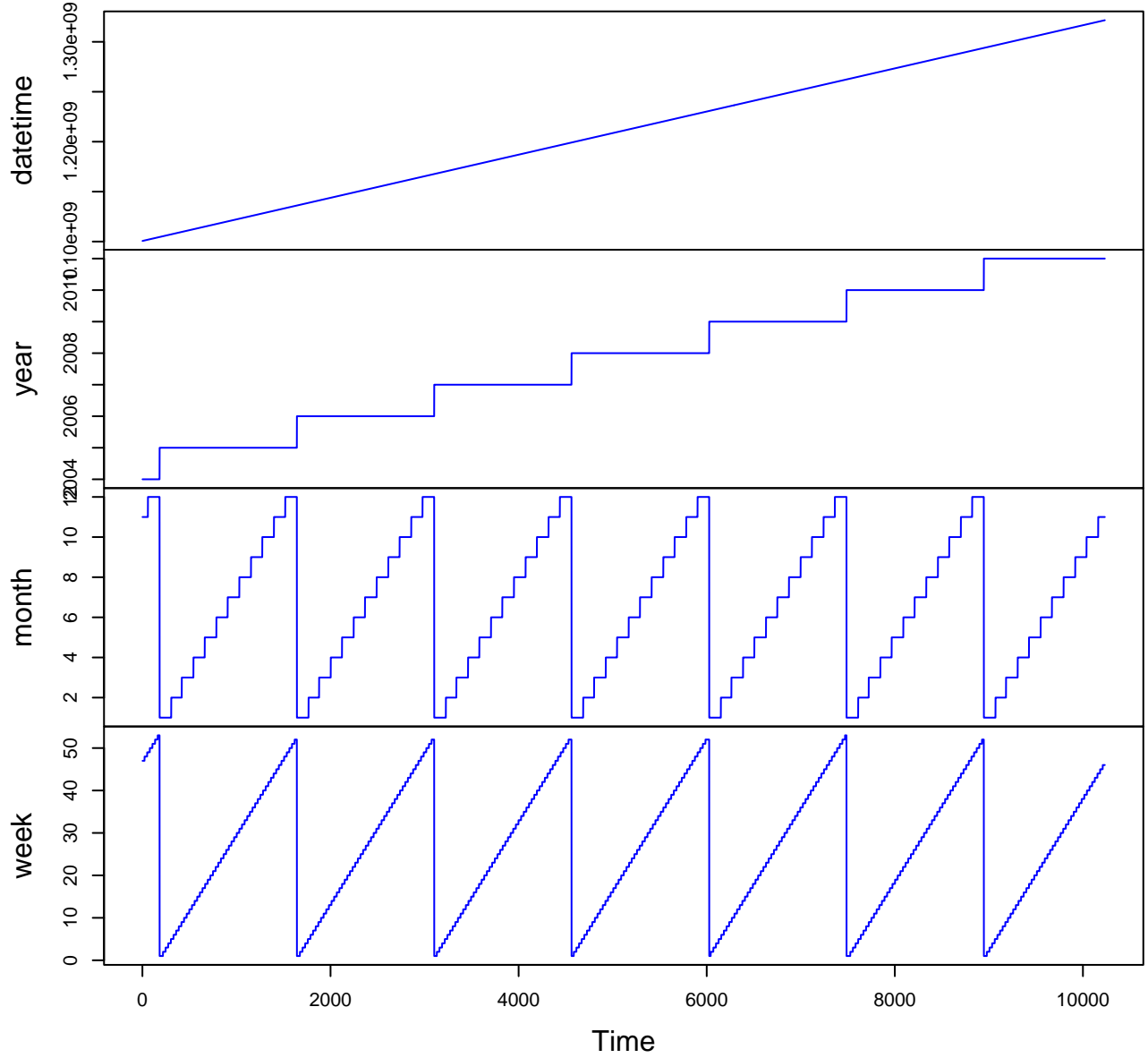
maxref7 = the maximum internal temperature (degrees C) of the datalogger for Plot 7 (celsius)

maxref8 = the maximum internal temperature (degrees C) of the datalogger for Plot 8 (celsius)

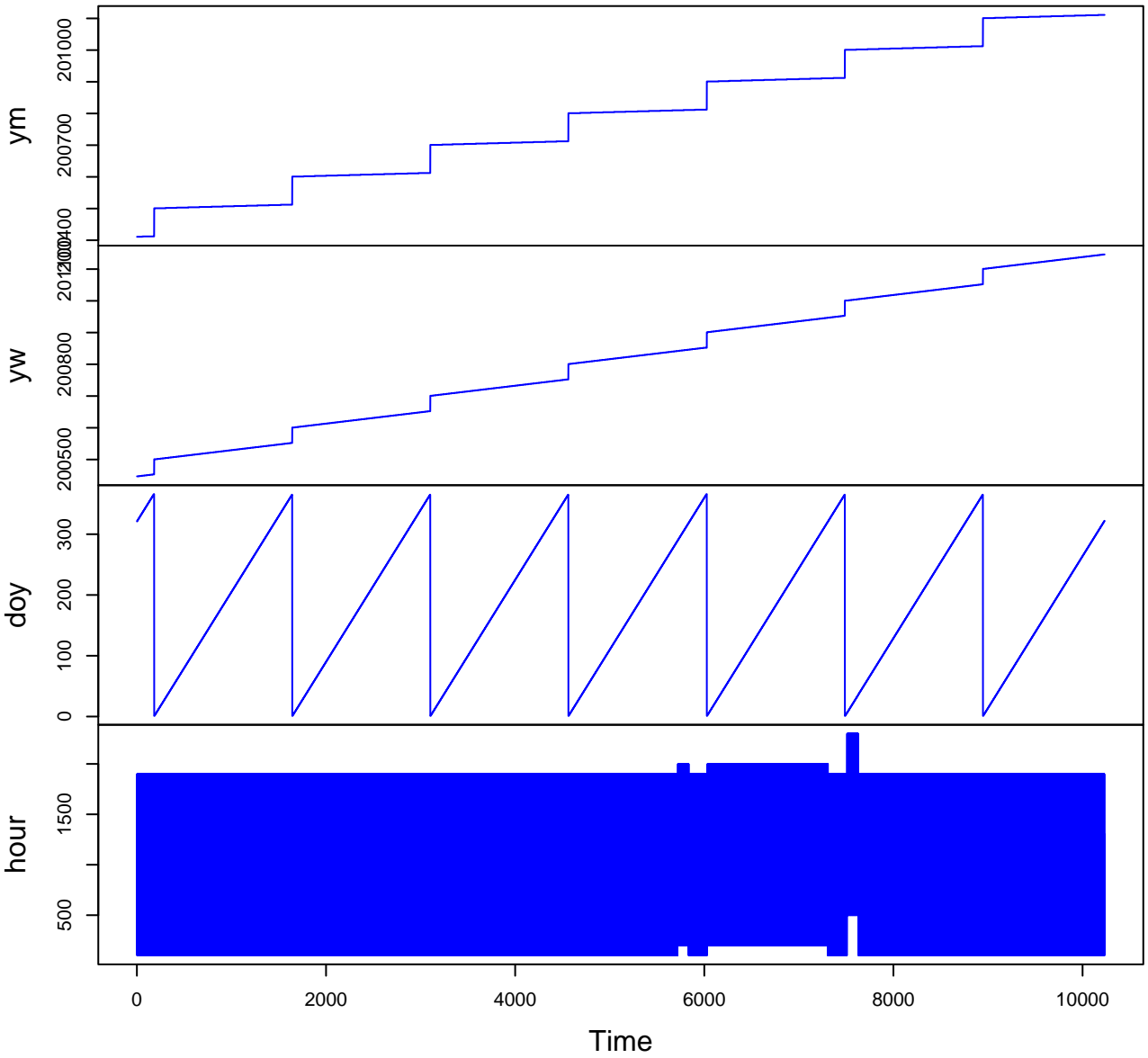
Variable	Min	Median	Mean	Max	NAs
datetime	2004-11-16T13:00			2011-11-18T15:00	0
year	2004.000	2008.000	2007.878	2011.000	0
month	1.000	7.000	6.528	12.000	0
week	1.000	27.000	26.551	53.000	0
ym	200411.000	200805.000	200794.327	201111.000	0
yw	200447.000	200820.000	200814.349	201146.000	0
doy	1.000	183.000	183.209	366.000	0
hour	100.000	1300.000	1250.007	2400.000	0
daytime	321.540	1600.580	1600.714	2880.620	0
meanair1	-29.940	8.510	8.065	38.500	1778
meanair2	-27.670	8.420	8.201	42.550	2837
meanair3	-25.820	8.490	7.923	38.450	1785
meanair4	-24.190	8.730	8.599	44.500	2666
meanair5	-29.550	8.520	8.206	47.800	2116
meanair6	-23.410	7.830	7.709	44.530	3366
meanair7	-24.430	10.030	8.814	31.990	32594
meanair8	-26.880	9.260	8.173	34.590	32831
meanminerals	-2.870	8.600	8.845	26.420	2860
meanminerals	-5.870	9.330	9.233	29.750	1778
meanminerals	-29.680	8.370	8.502	38.840	3266
meanminerals	-27.100	9.690	9.613	49.000	2690
meanminerals	-1.470	8.850	8.956	39.350	2136
meanminerals	-1.160	8.270	8.407	47.340	2116
meanminerals	-29.100	10.200	9.766	40.210	32593
meanminerals	-2.651	8.820	8.958	76.900	34072
meanorgsoil1	-2.530	9.750	9.417	30.810	32087
meanorgsoil2	-26.300	10.285	9.591	71.000	32087
meanorgsoil3	-3.070	8.050	7.952	54.900	32087
meanorgsoil4	-0.520	9.780	9.401	39.110	32087
meanorgsoil5	-30.120	9.800	9.076	37.990	32087
meanorgsoil6	-27.600	8.950	8.547	39.870	32087
meanorgsoil7	-9.180	9.940	9.549	26.130	32593
meanorgsoil8	-2.890	9.420	9.014	25.270	32831
meanref	-54.140	9.030	8.729	42.900	1756
meanref2	-24.210	8.060	8.047	40.430	3365
meanref7	-13.480	10.340	9.194	32.200	32594
meanref8	-27.230	9.590	8.409	35.320	32831
minair1	-26.360	7.940	7.500	36.300	1777
minair2	-28.010	7.800	7.459	37.940	2836
minair3	-55.300	8.060	7.456	39.590	1837
minair4	-27.300	7.930	7.751	40.400	2726
minair5	-24.930	8.100	7.810	38.650	2176
minair6	-34.330	7.910	7.491	31.200	2177
minair7	-26.350	9.530	8.389	39.060	32645
minair8	-25.750	9.090	8.084	32.090	32883
minmineralso	-2.160	9.005	9.059	25.760	34119
minmineralso	-25.280	9.335	9.130	33.330	1829
minmineralso	-36.660	8.340	8.440	21.780	3318
minmineralso	-10.960	9.290	9.167	41.390	2750

Variable	Min	Median	Mean	Max	NAs
minmineralso	-26.510	8.740	8.808	40.180	2196
minmineralso	-25.410	7.970	8.158	46.270	2176
minmineralso	-2.540	10.245	9.872	39.390	32645
minmineralso	-1.210	9.570	9.258	28.520	32885
minorgsoil1	-26.060	8.510	8.833	40.690	2910
minorgsoil2	-2.410	10.280	9.682	30.840	32139
minorgsoil3	-105.300	7.070	7.464	26.200	34118
minorgsoil4	-24.640	9.510	8.961	84.100	32139
minorgsoil5	-1.390	9.900	9.386	53.190	32139
minorgsoil6	-108.100	8.765	8.442	43.110	32139
minorgsoil7	-27.070	9.870	9.331	38.480	32645
minorgsoil8	-26.610	9.010	8.611	37.160	32883
minref	-54.140	9.040	8.573	41.590	1807
minref2	-24.410	8.330	8.012	37.020	2176
minref7	-26.580	9.845	8.780	37.440	32645
minref8	-17.170	9.650	8.612	34.990	32883
maxair1	-25.710	8.820	8.626	48.840	3807
maxair2	-27.160	9.170	8.913	132.600	2879
maxair3	-25.480	8.850	8.230	130.700	1828
maxair4	-23.350	9.240	9.374	129.800	2721
maxair5	-24.030	9.240	8.916	123.200	2124
maxair6	-26.620	8.900	8.308	122.500	2124
maxair7	-23.530	10.390	9.296	36.210	32596
maxair8	-25.070	10.030	9.025	36.560	32834
maxmineralso	-10.000	8.880	9.185	43.030	2860
maxmineralso	-25.790	9.670	9.417	35.720	1779
maxmineralso	-2.320	8.550	8.702	147.700	3265
maxmineralso	-3.350	10.090	9.954	131.500	2696
maxmineralso	-10.050	8.990	9.025	125.600	2124
maxmineralso	-26.970	8.560	8.577	133.600	2124
maxmineralso	-1.450	10.260	9.855	21.520	32596
maxmineralso	-0.930	9.650	9.319	21.790	32836
maxorgsoil1	-12.710	10.130	9.811	77.800	32088
maxorgsoil2	-26.740	10.530	9.710	79.500	32088
maxorgsoil3	-3.310	8.580	8.460	115.300	32088
maxorgsoil4	-2.720	10.680	10.069	35.130	32088
maxorgsoil5	-12.600	10.470	9.794	33.260	32088
maxorgsoil6	-26.240	9.820	9.353	45.880	32088
maxorgsoil7	-3.060	10.270	9.713	24.590	32594
maxorgsoil8	-2.800	9.710	9.173	25.600	32832
maxref	-54.140	9.630	9.271	43.740	1756
maxref2	-27.230	8.880	8.412	120.100	2122
maxref7	-13.410	10.490	9.358	32.310	32594
maxref8	-16.950	10.130	8.985	35.420	32832

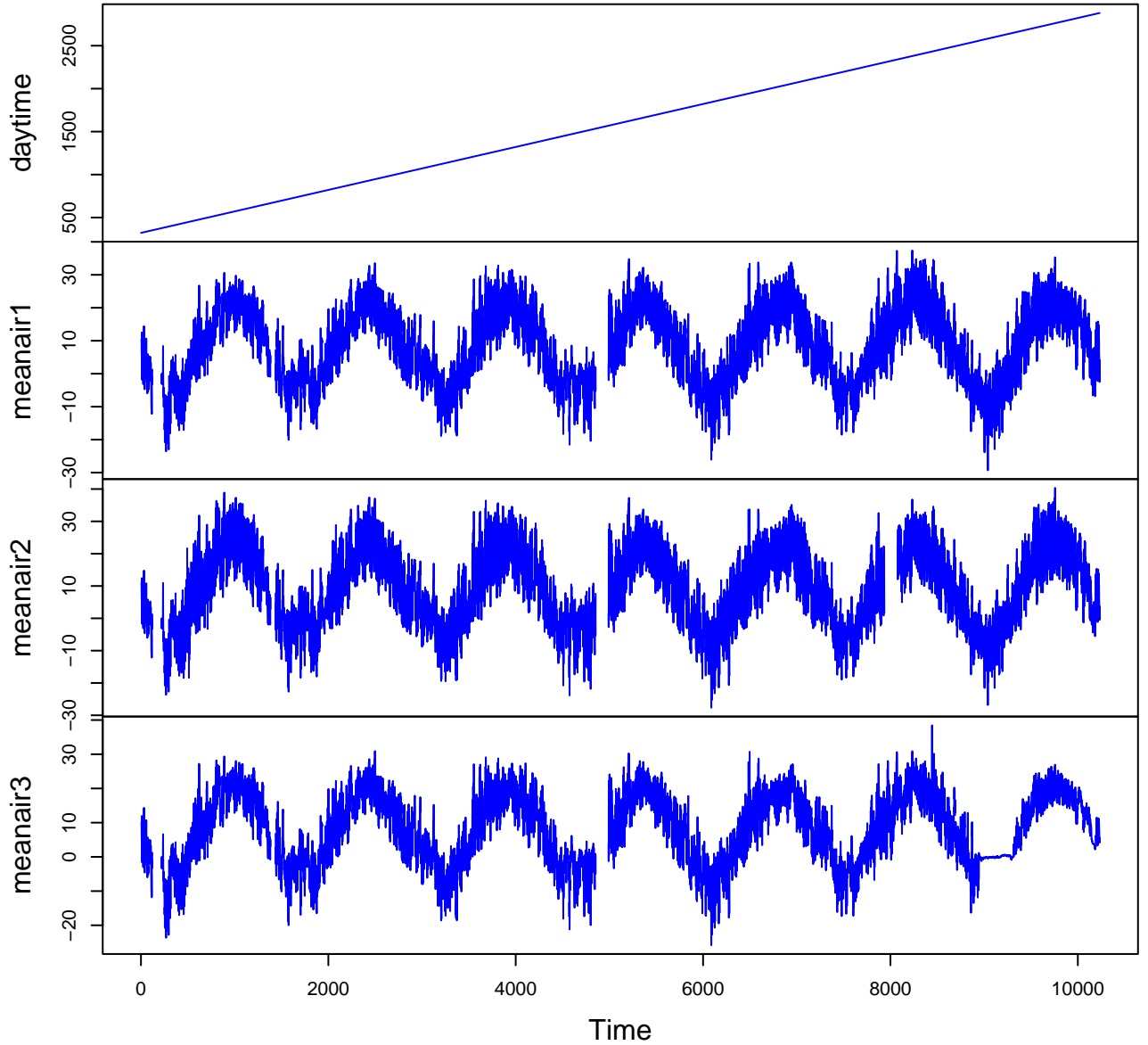
HF108-01 Plot 1



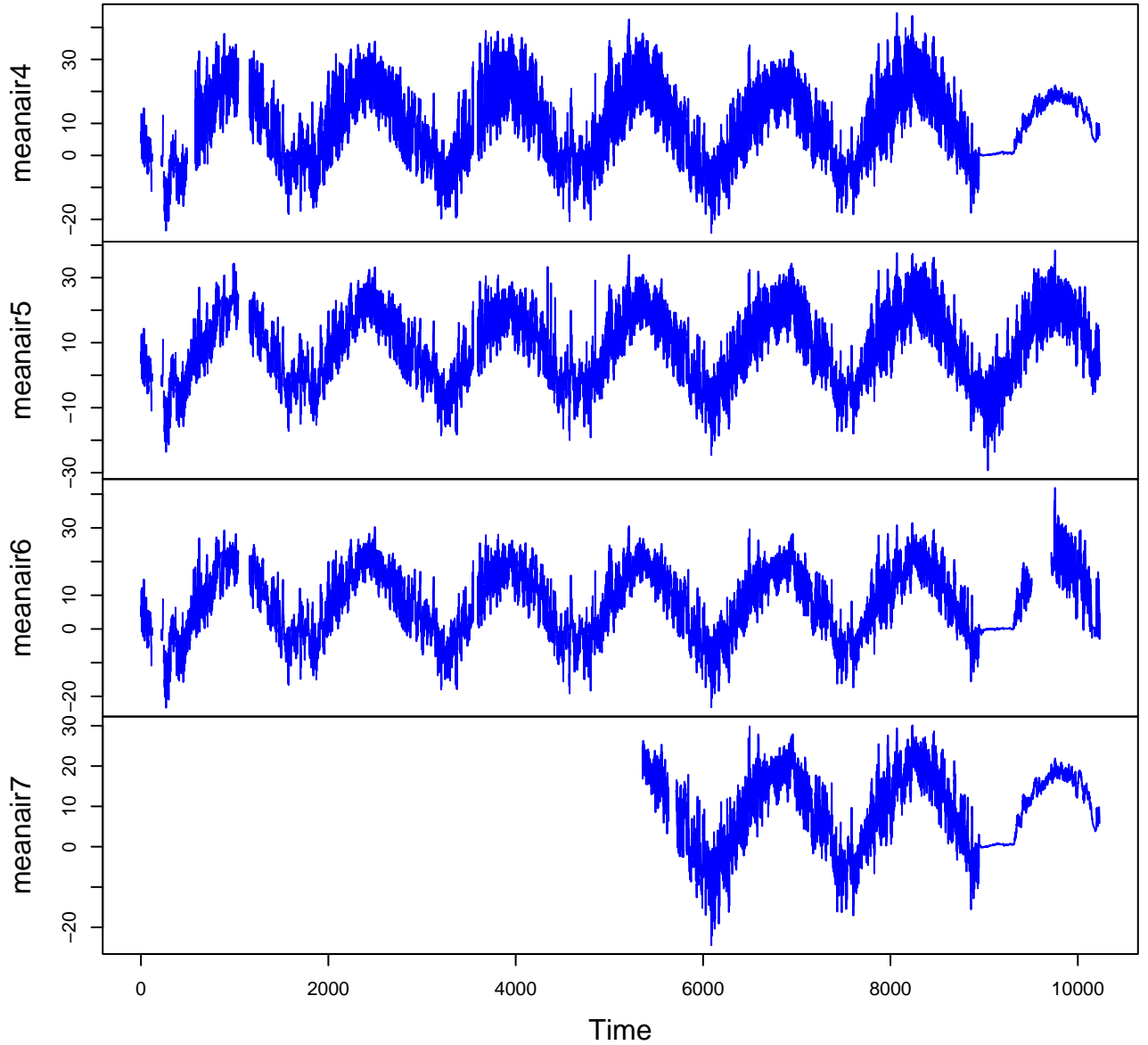
HF108-01 Plot 2



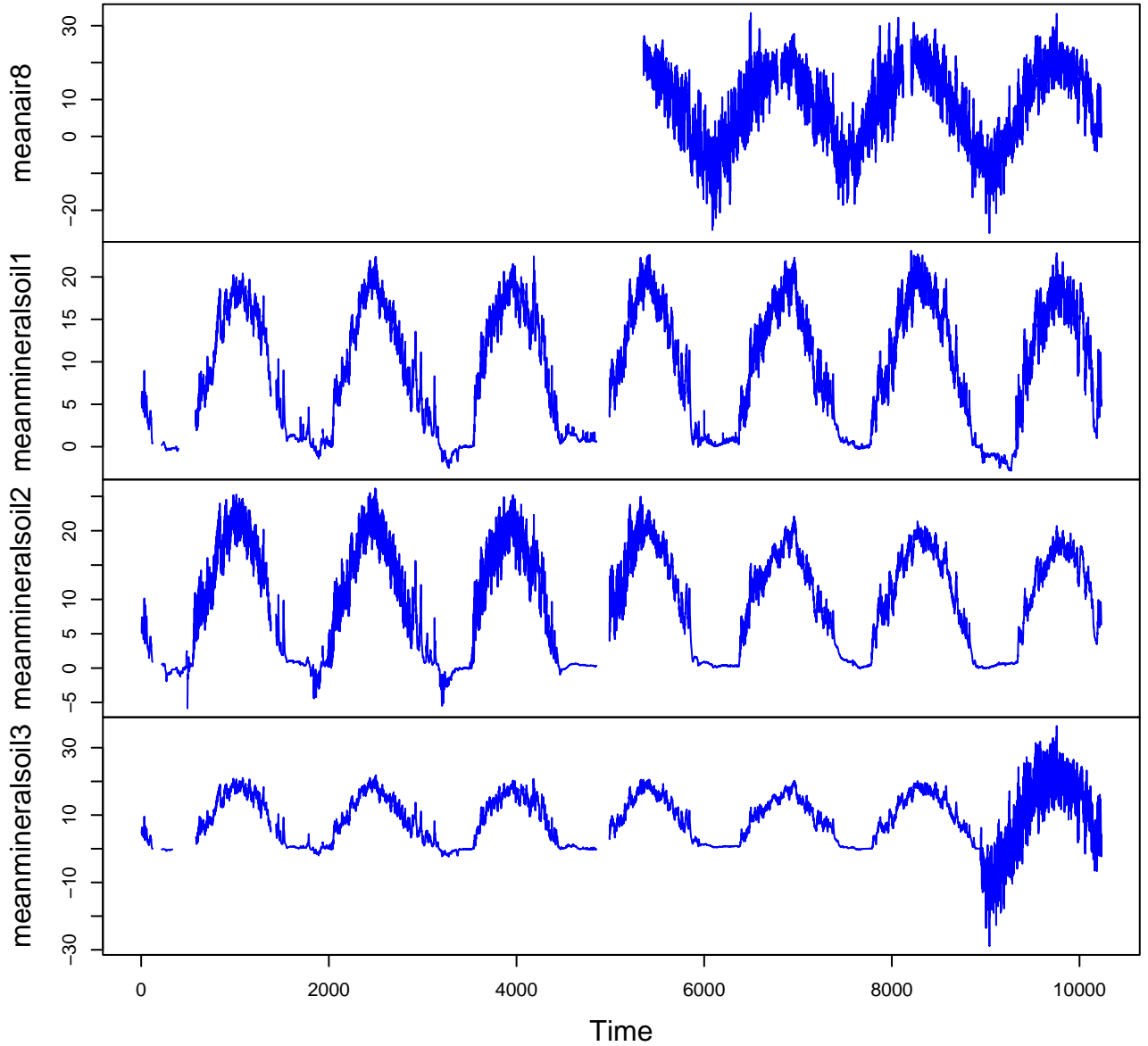
HF108-01 Plot 3



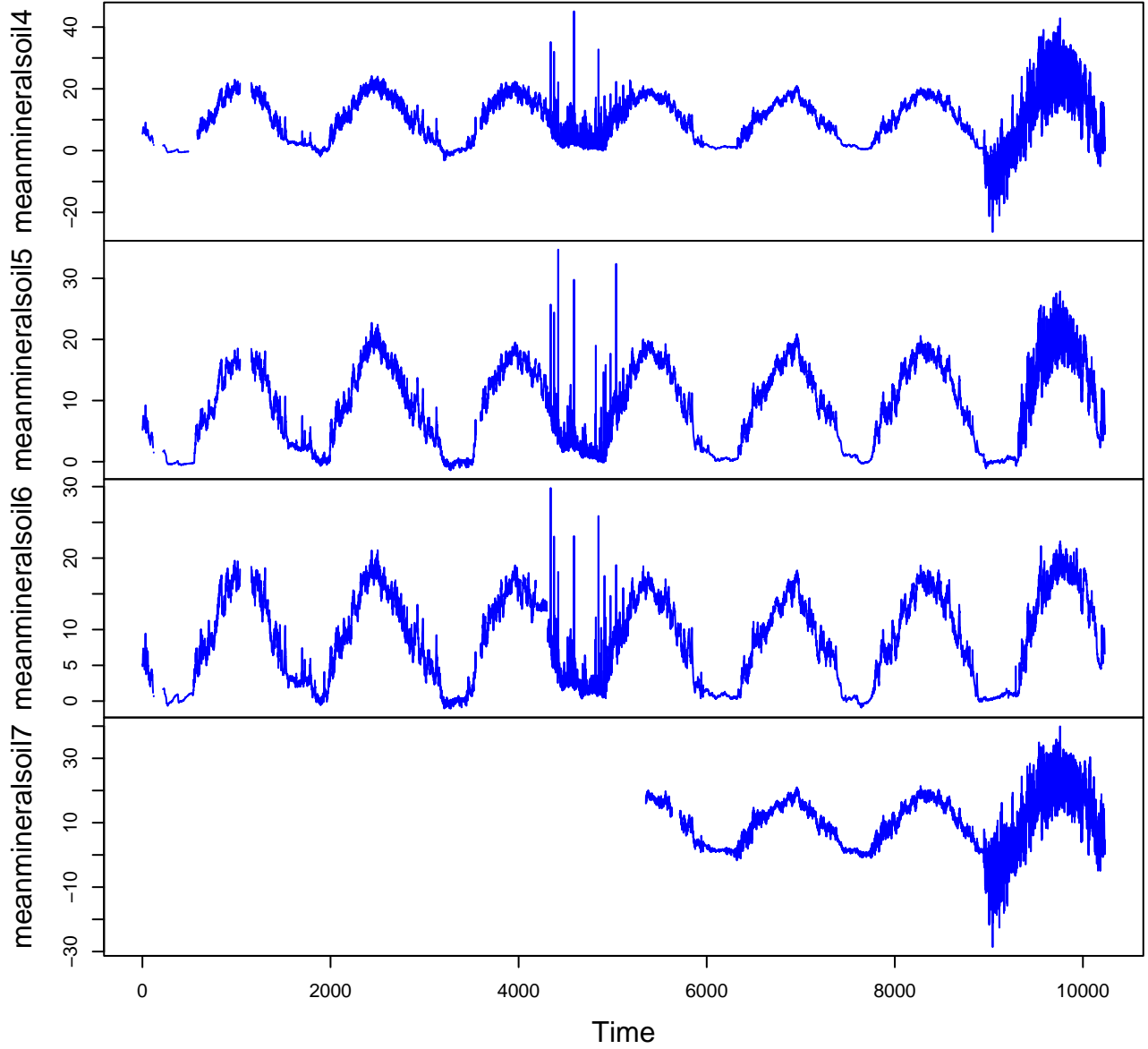
HF108-01 Plot 4



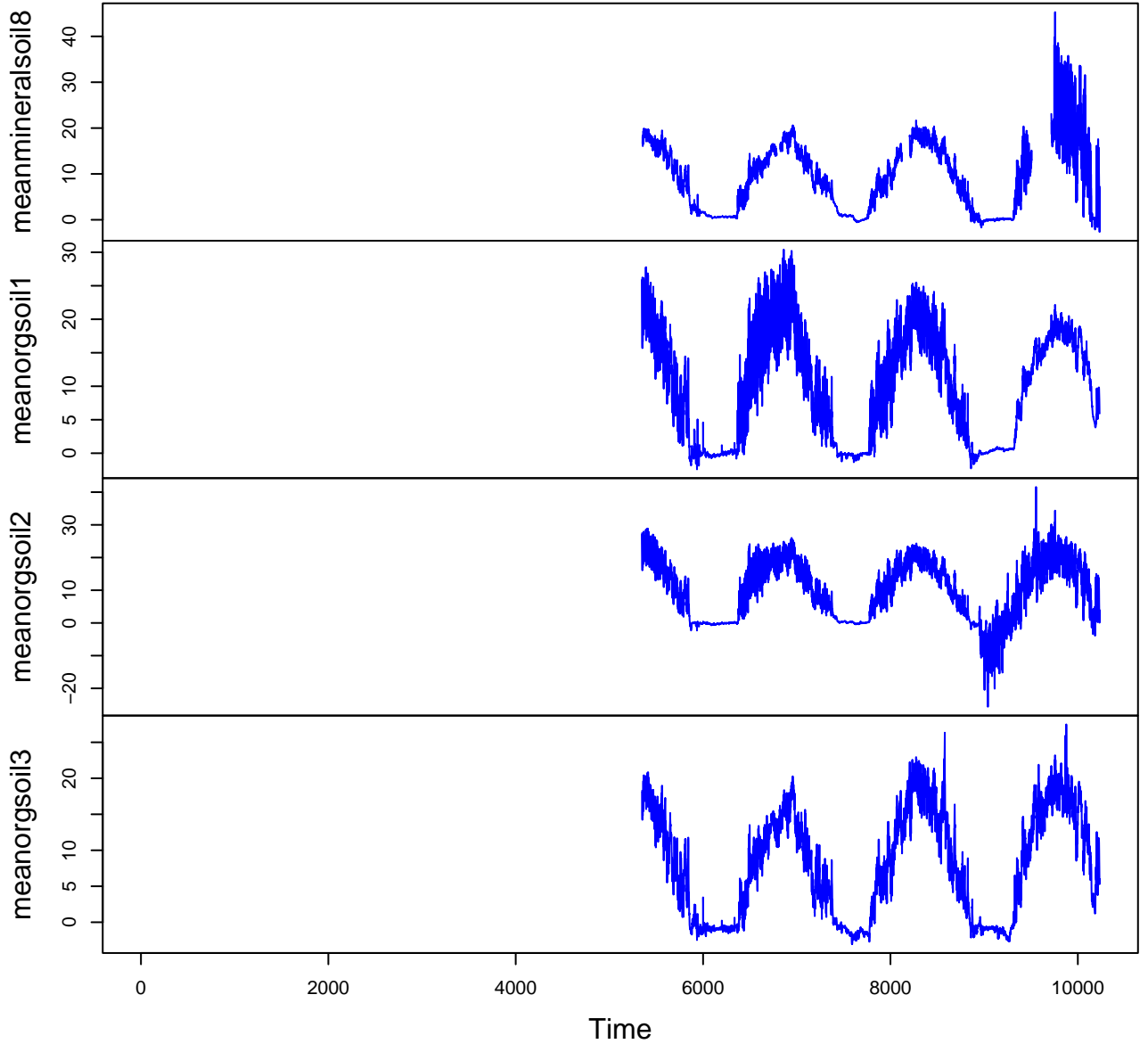
HF108-01 Plot 5



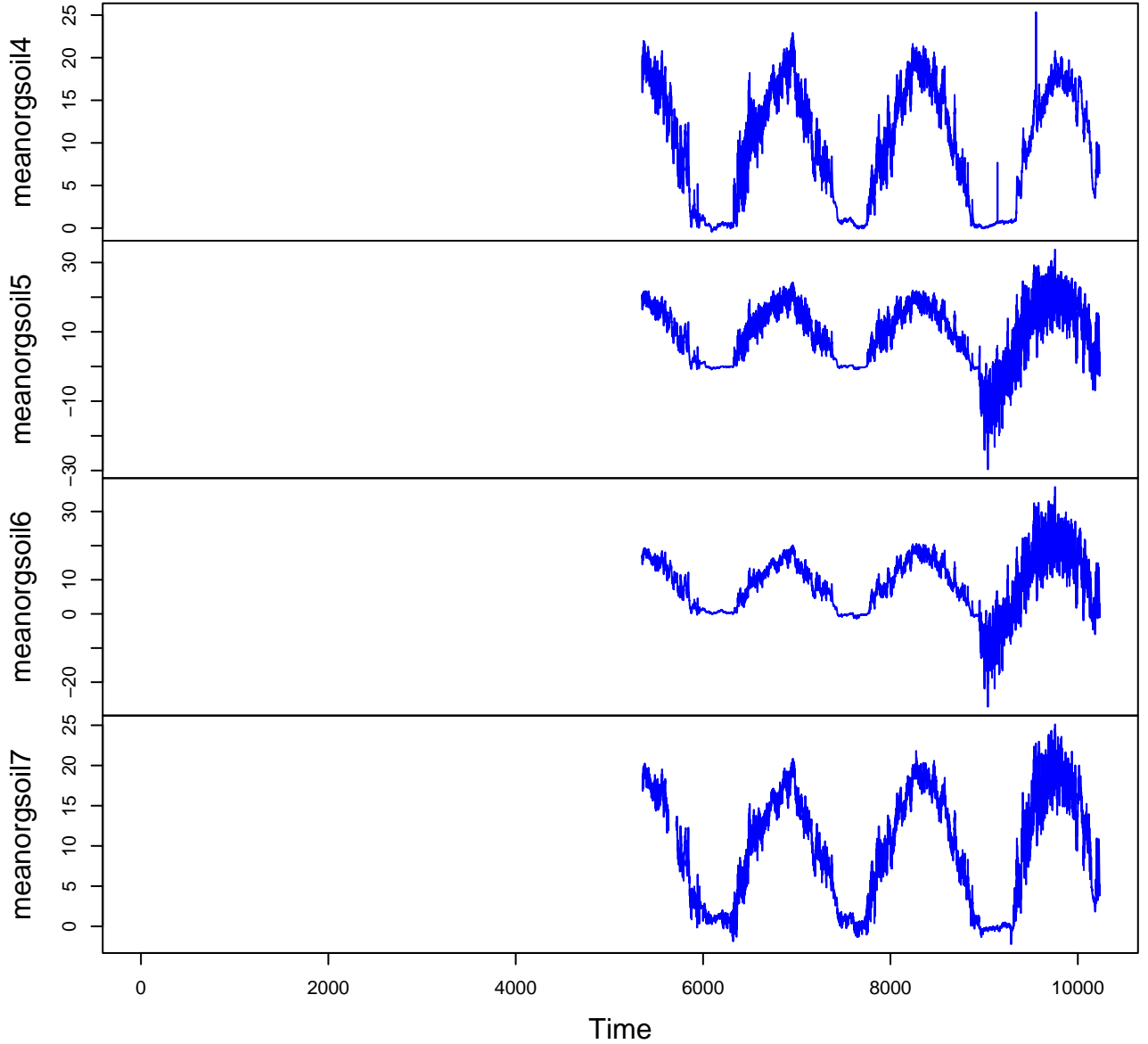
HF108-01 Plot 6



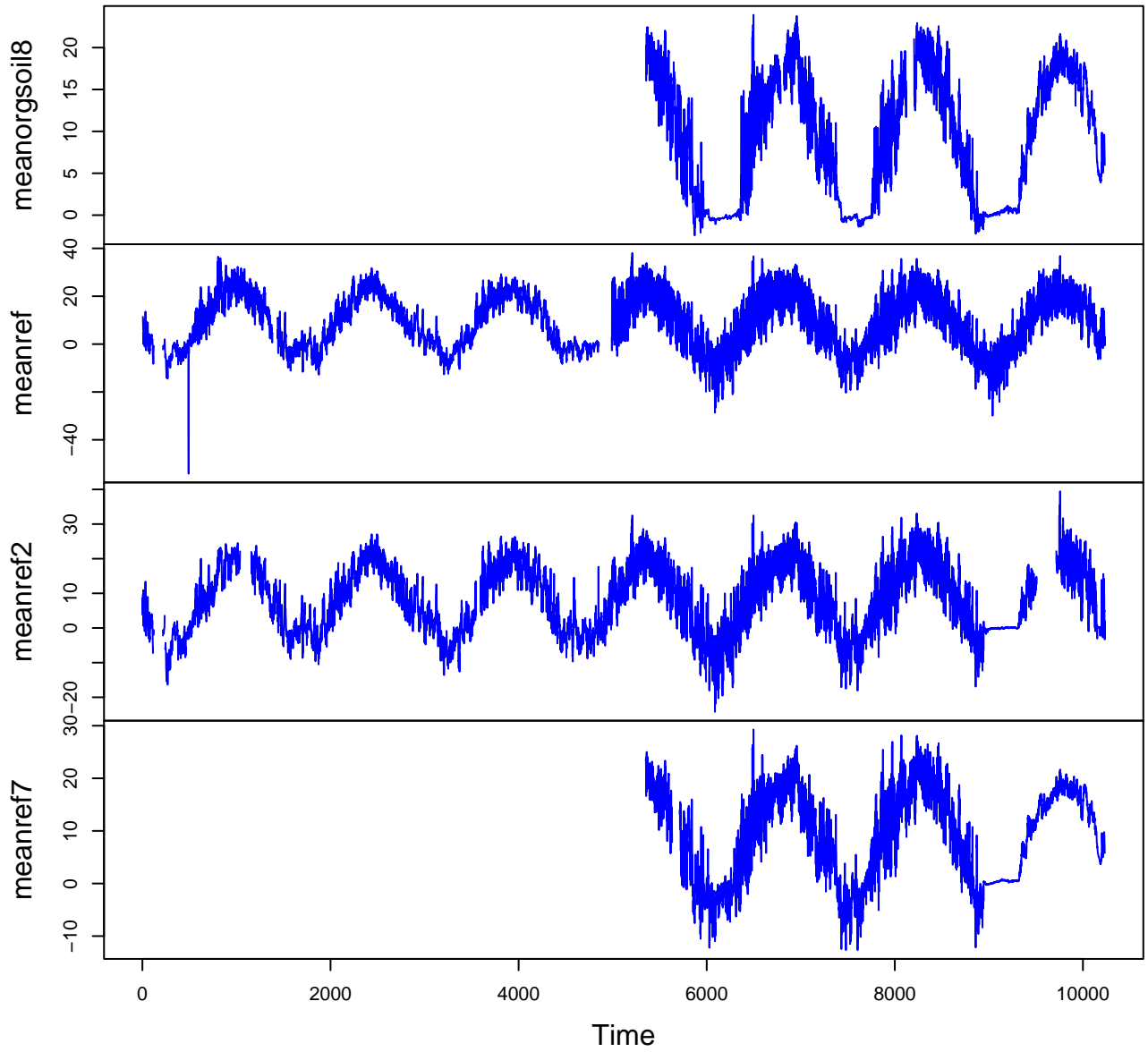
HF108-01 Plot 7



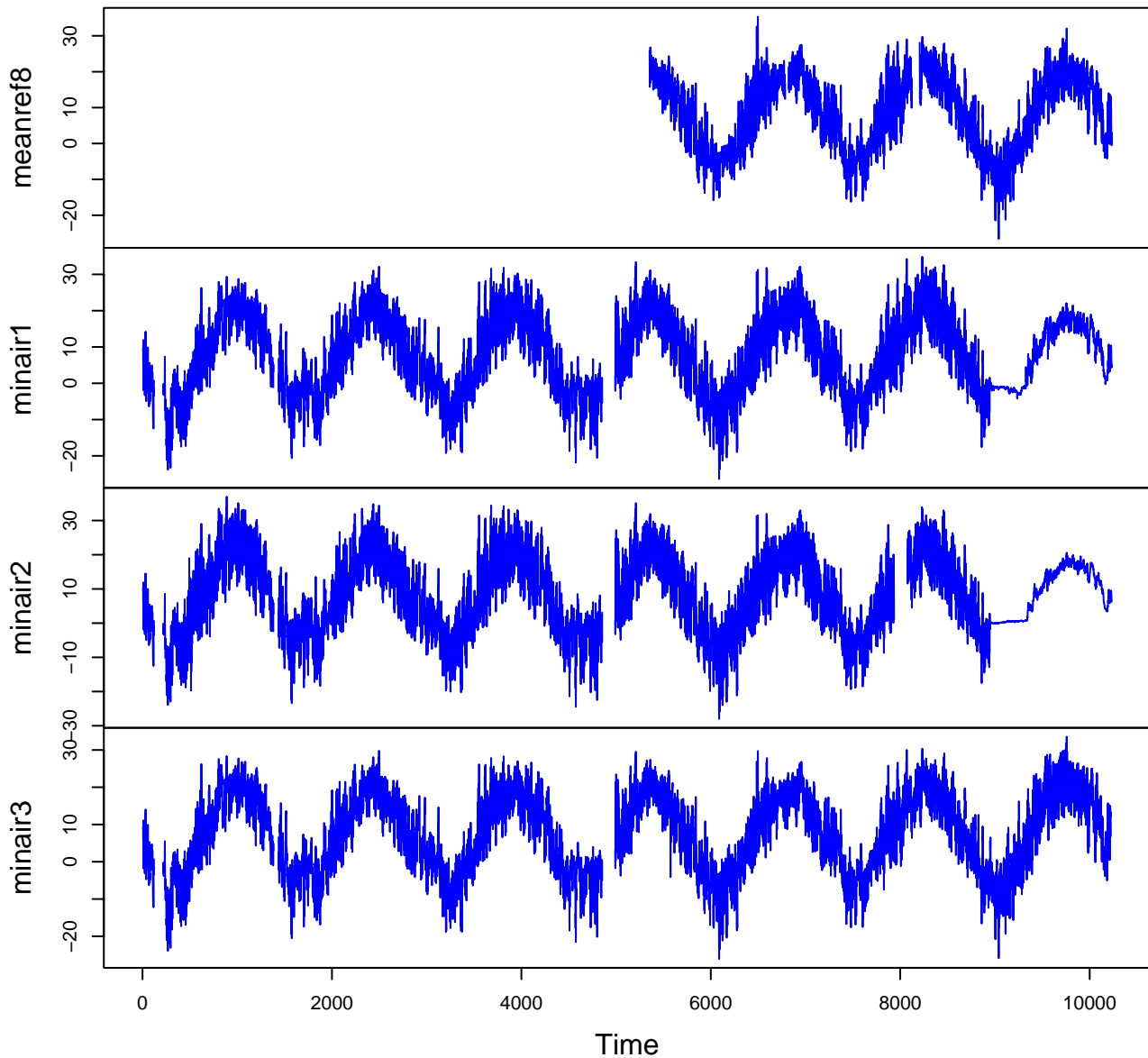
HF108-01 Plot 8



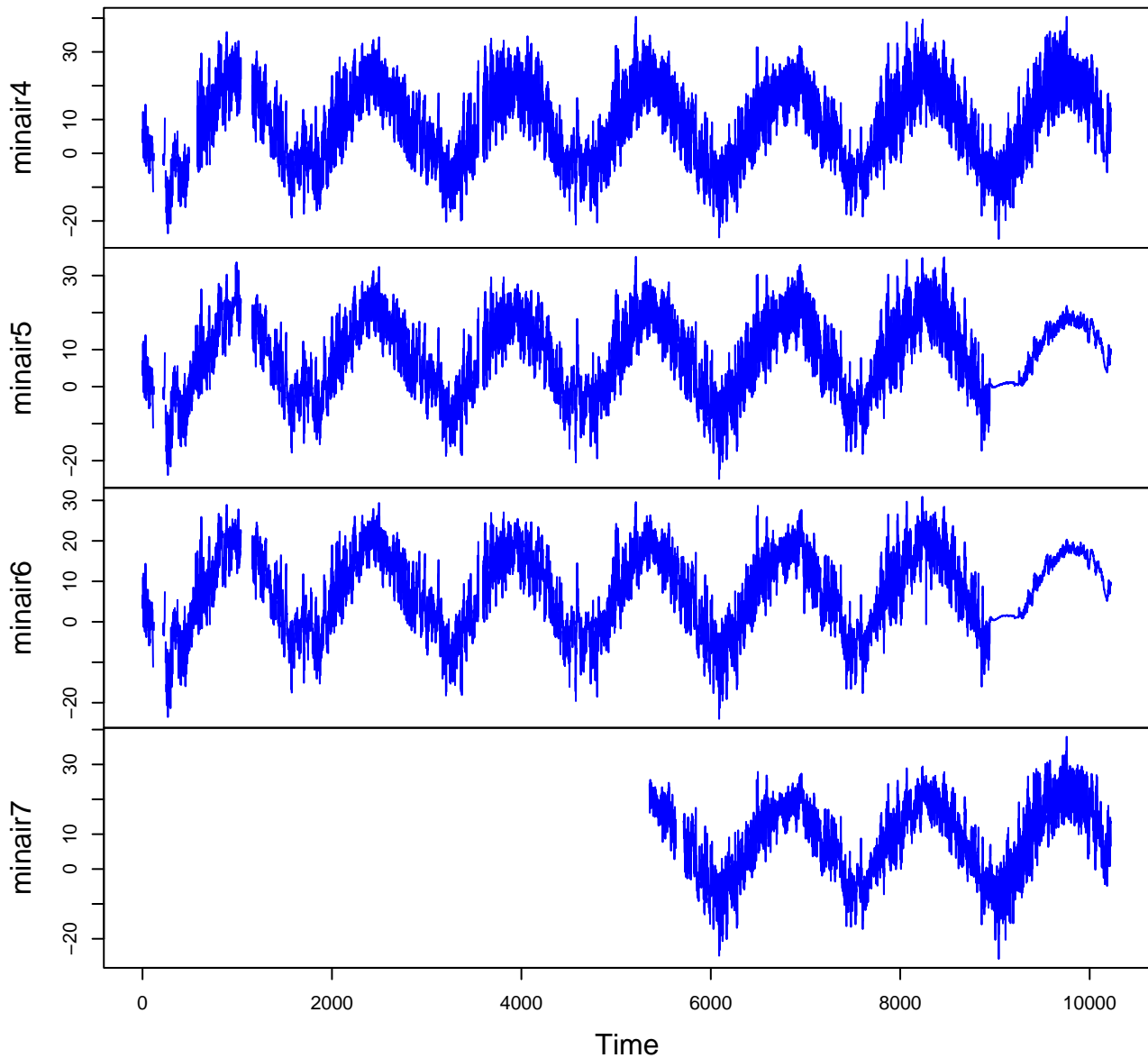
HF108-01 Plot 9



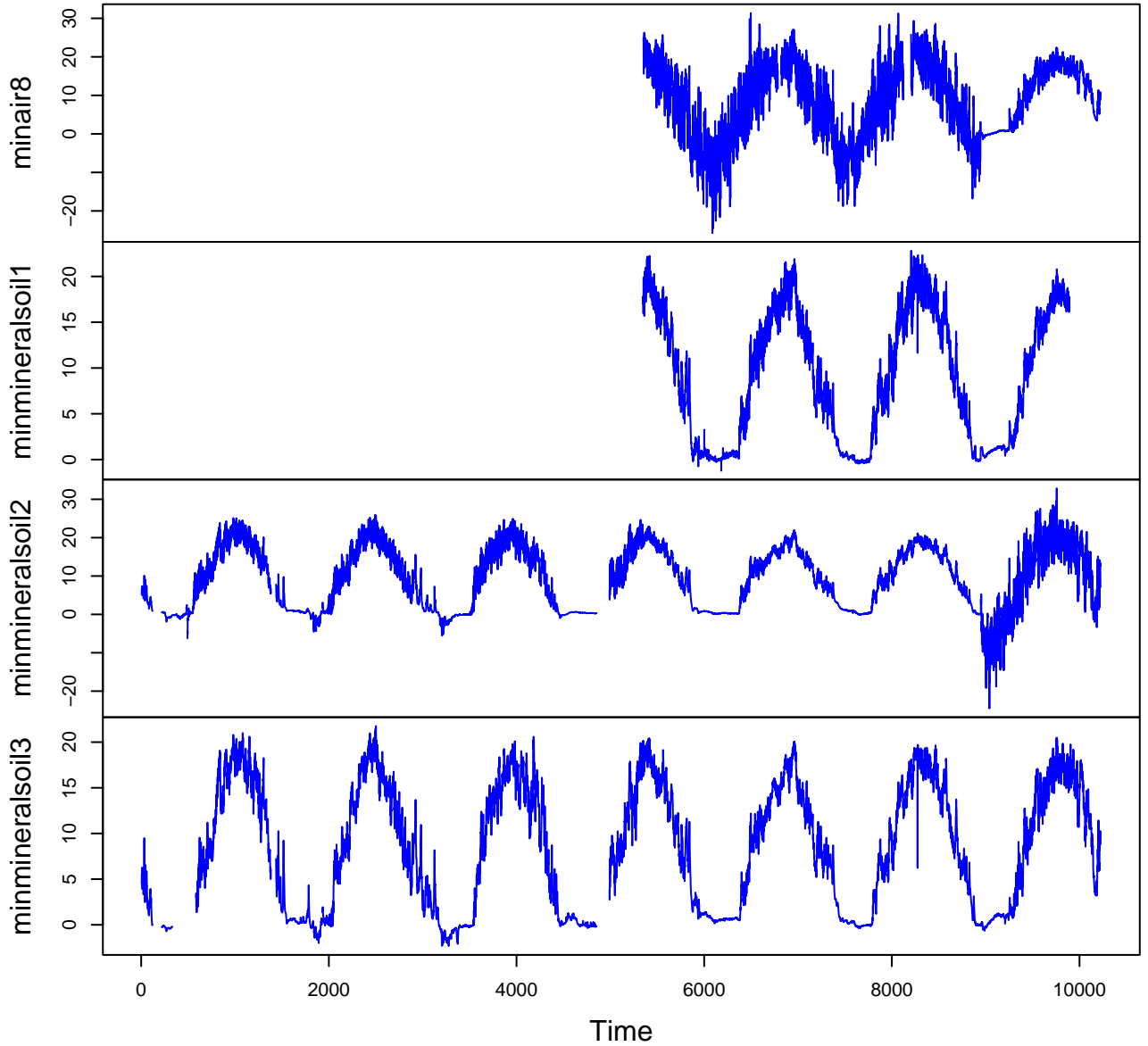
HF108-01 Plot 10



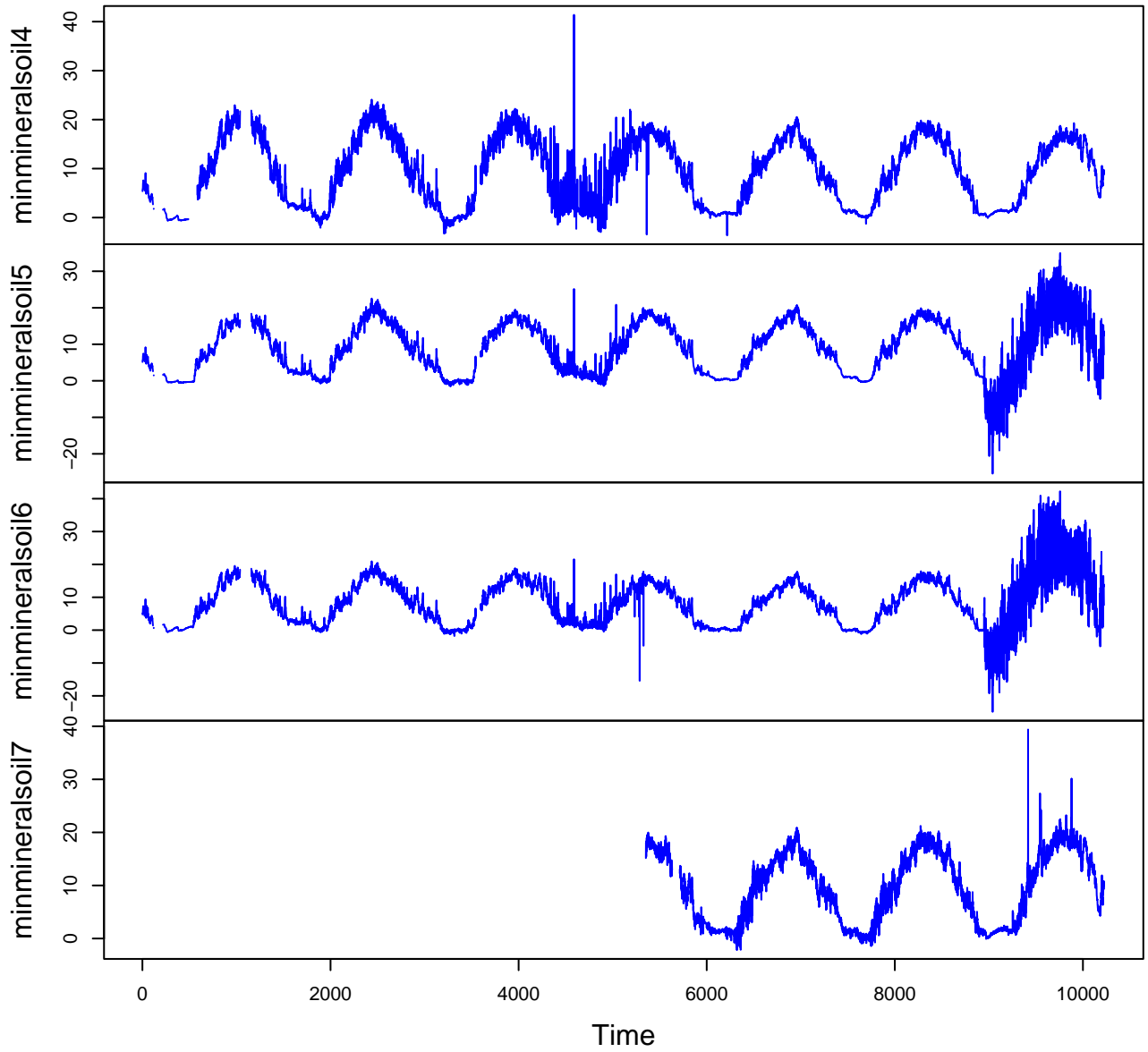
HF108-01 Plot 11



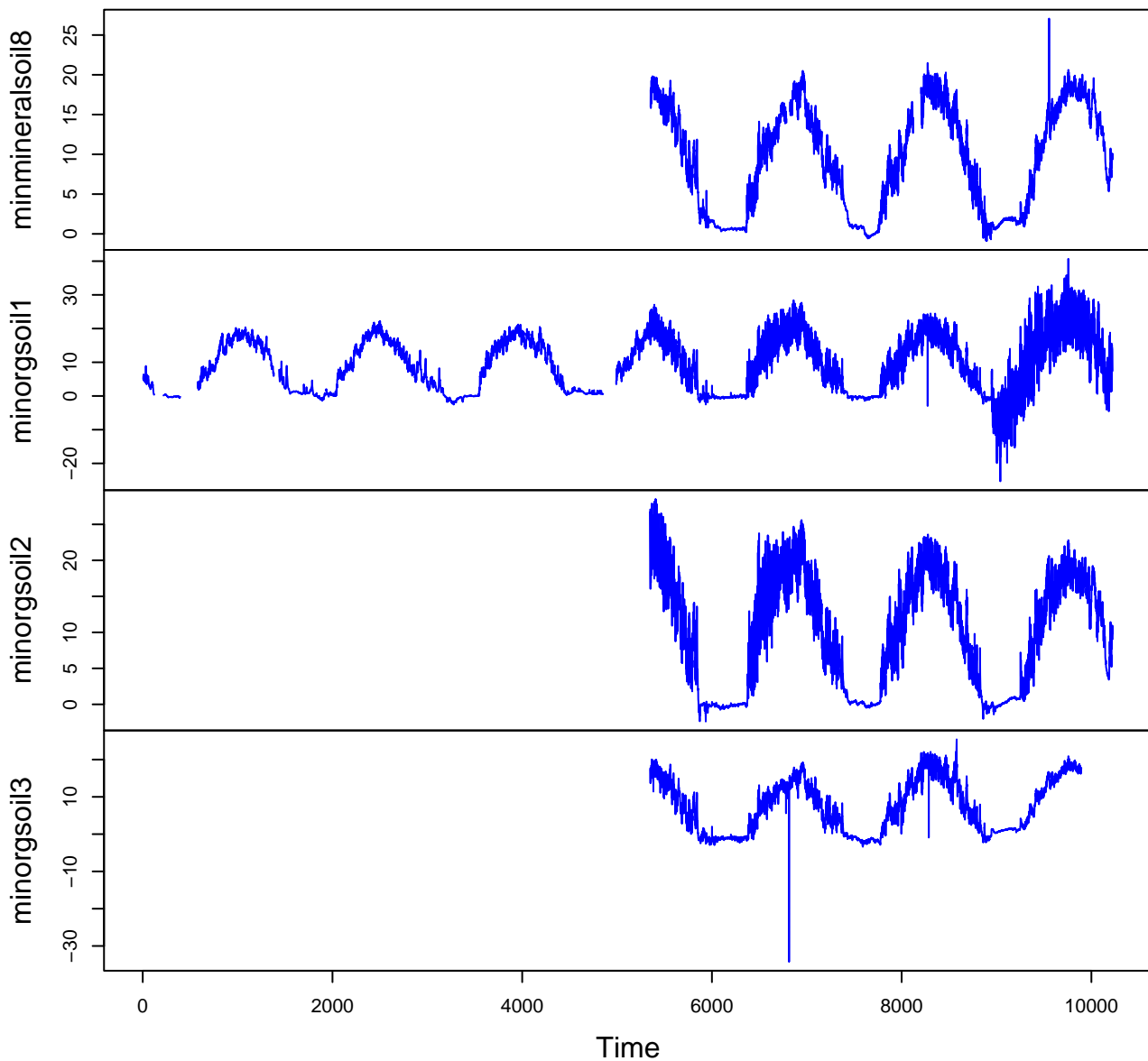
HF108-01 Plot 12



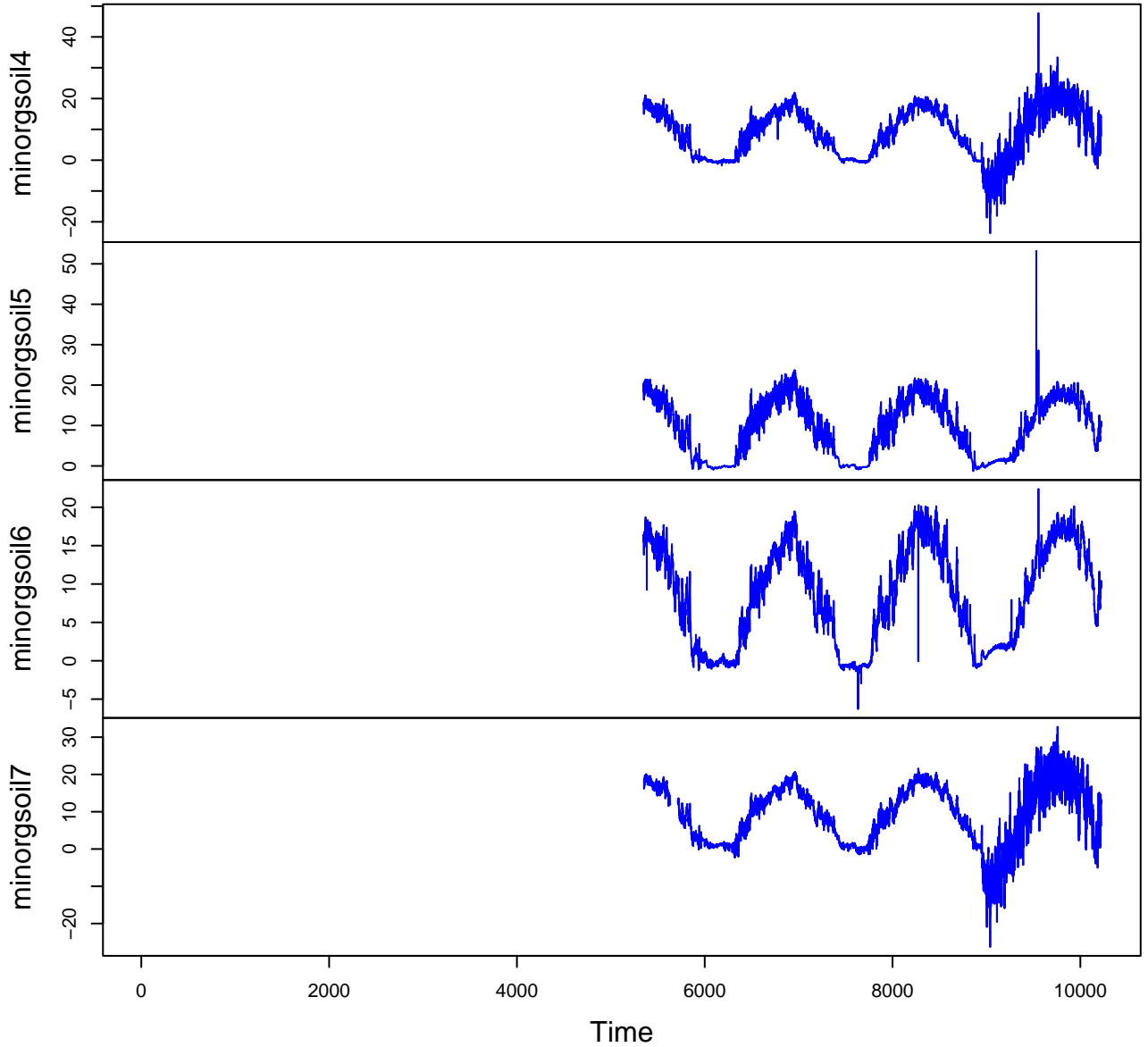
HF108-01 Plot 13



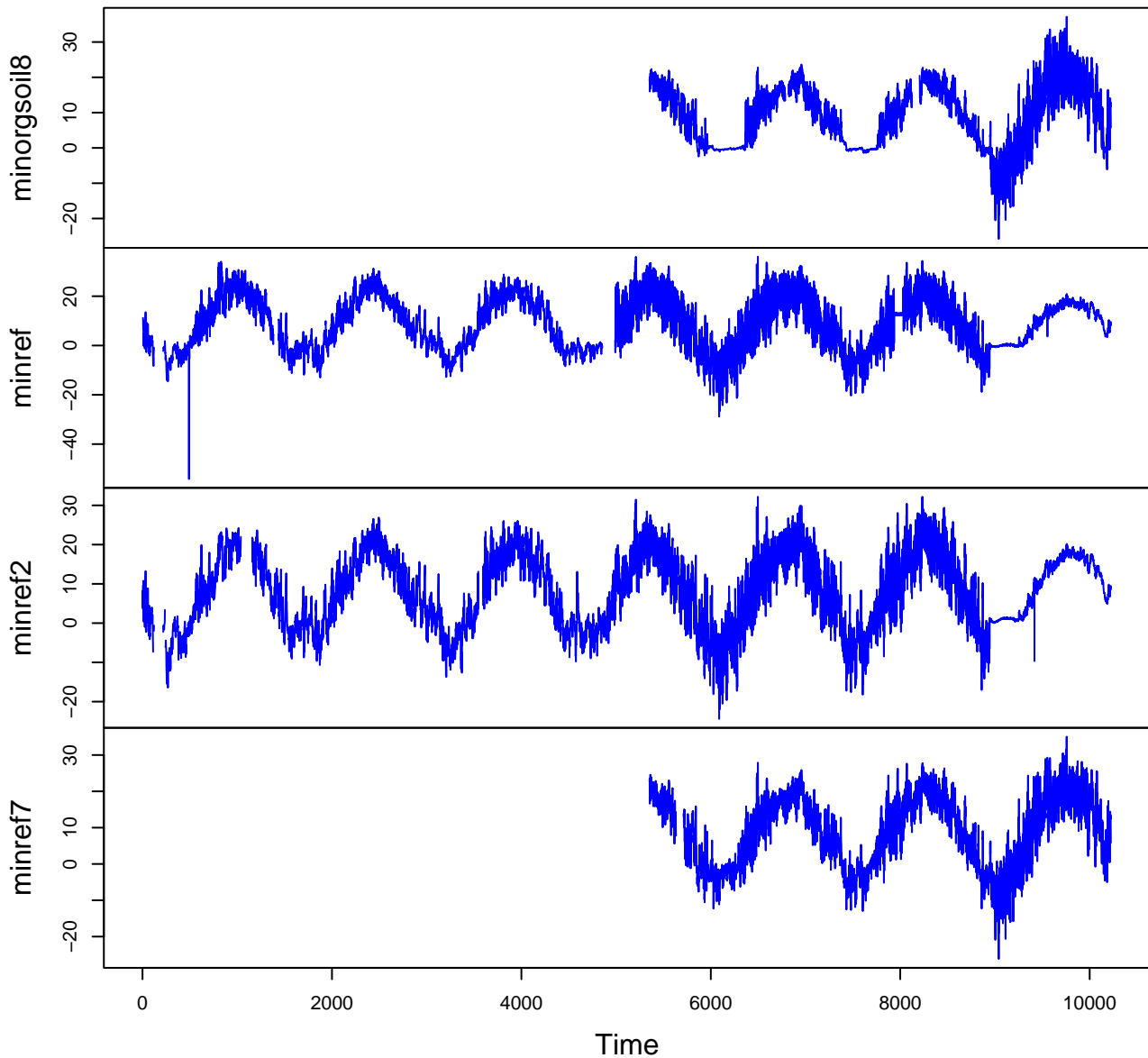
HF108-01 Plot 14



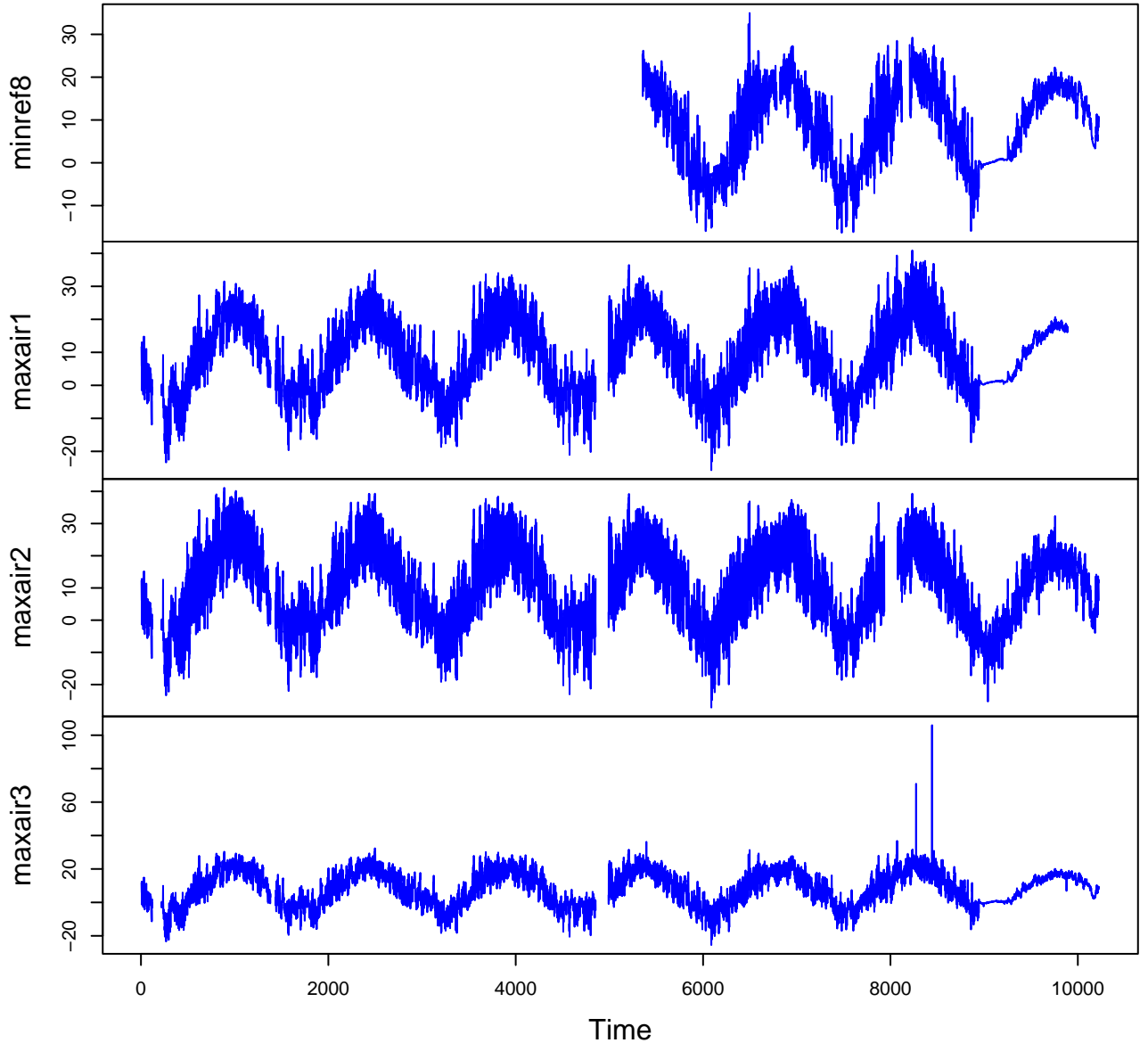
HF108-01 Plot 15



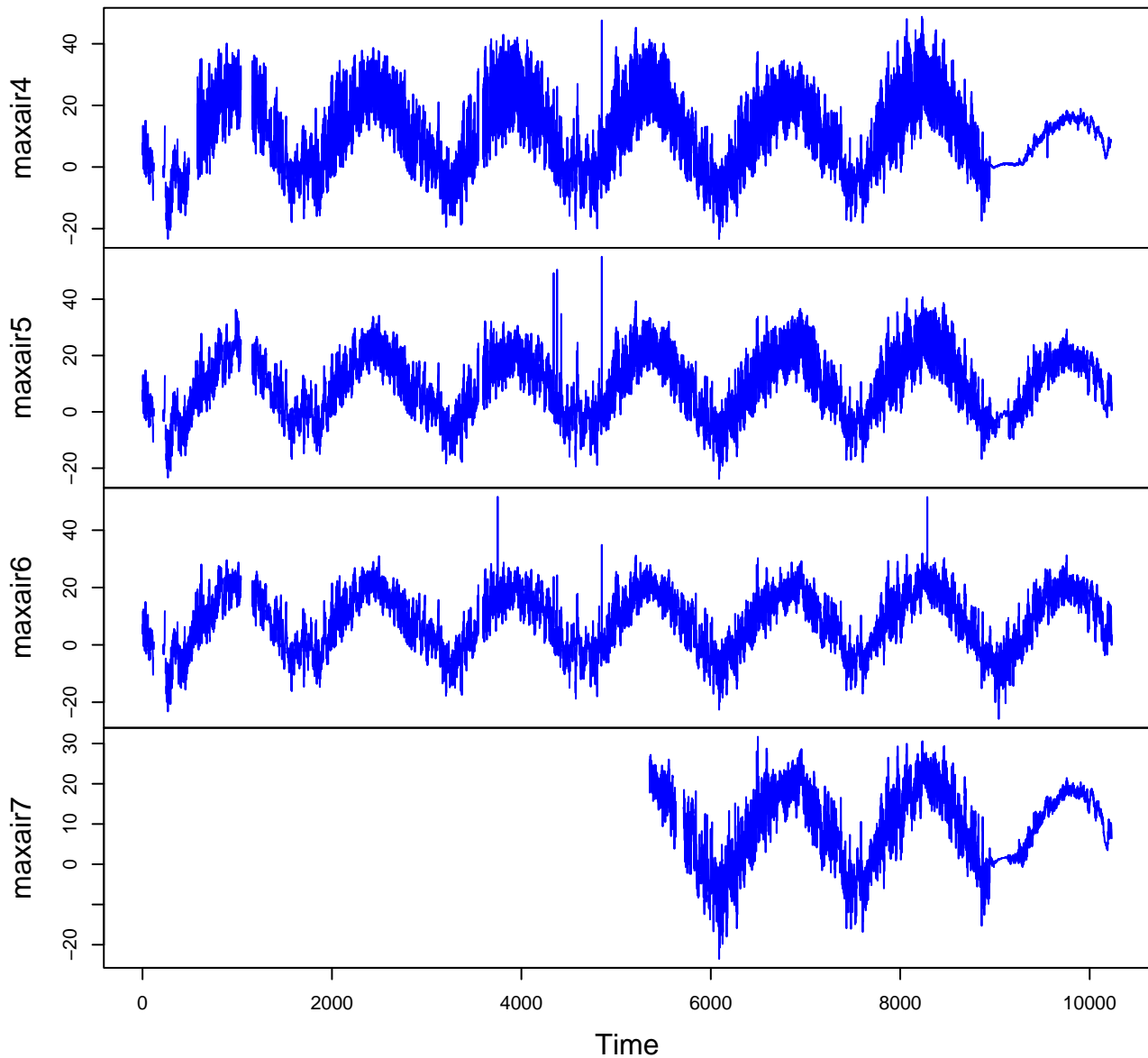
HF108-01 Plot 16



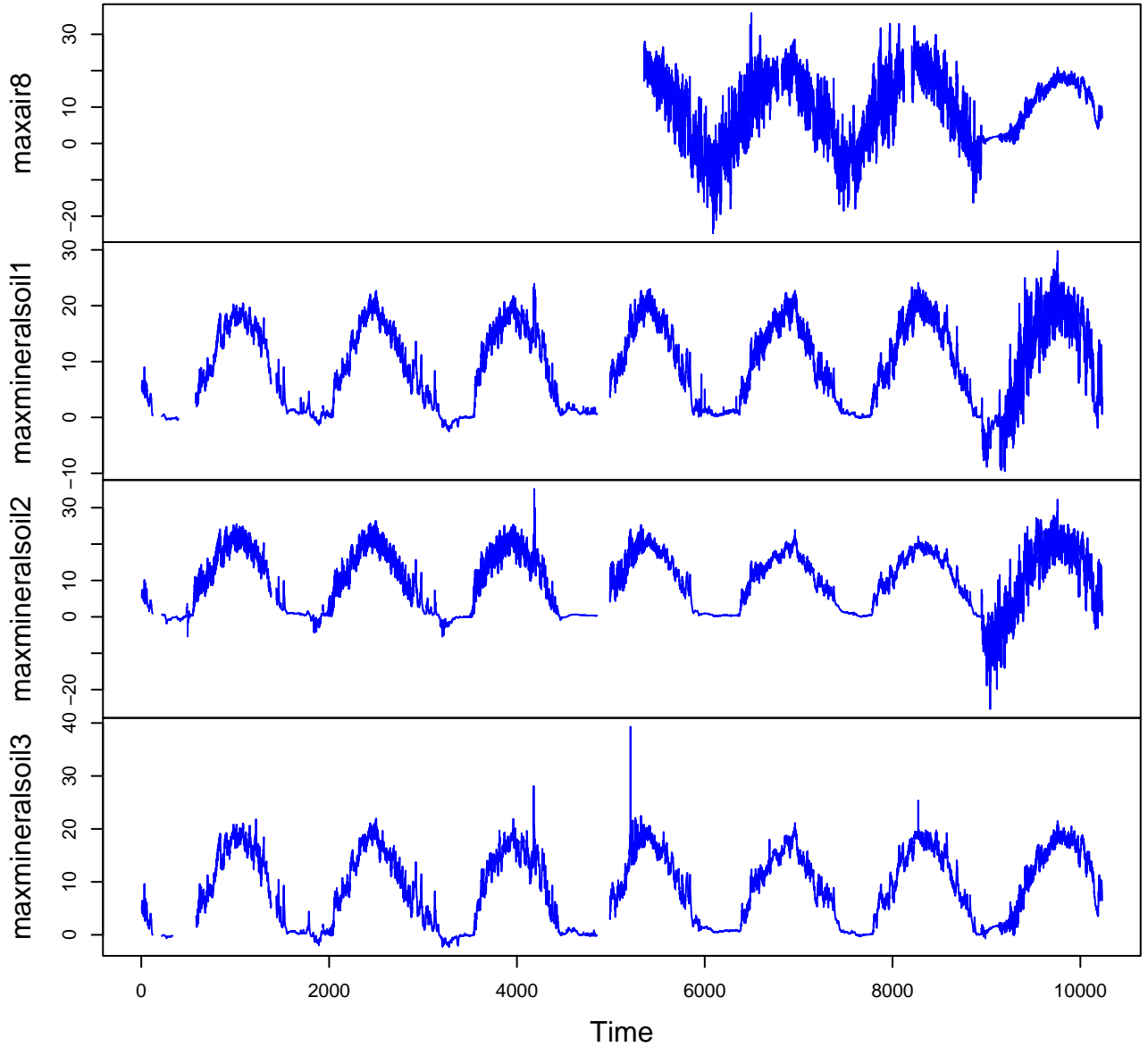
HF108-01 Plot 17



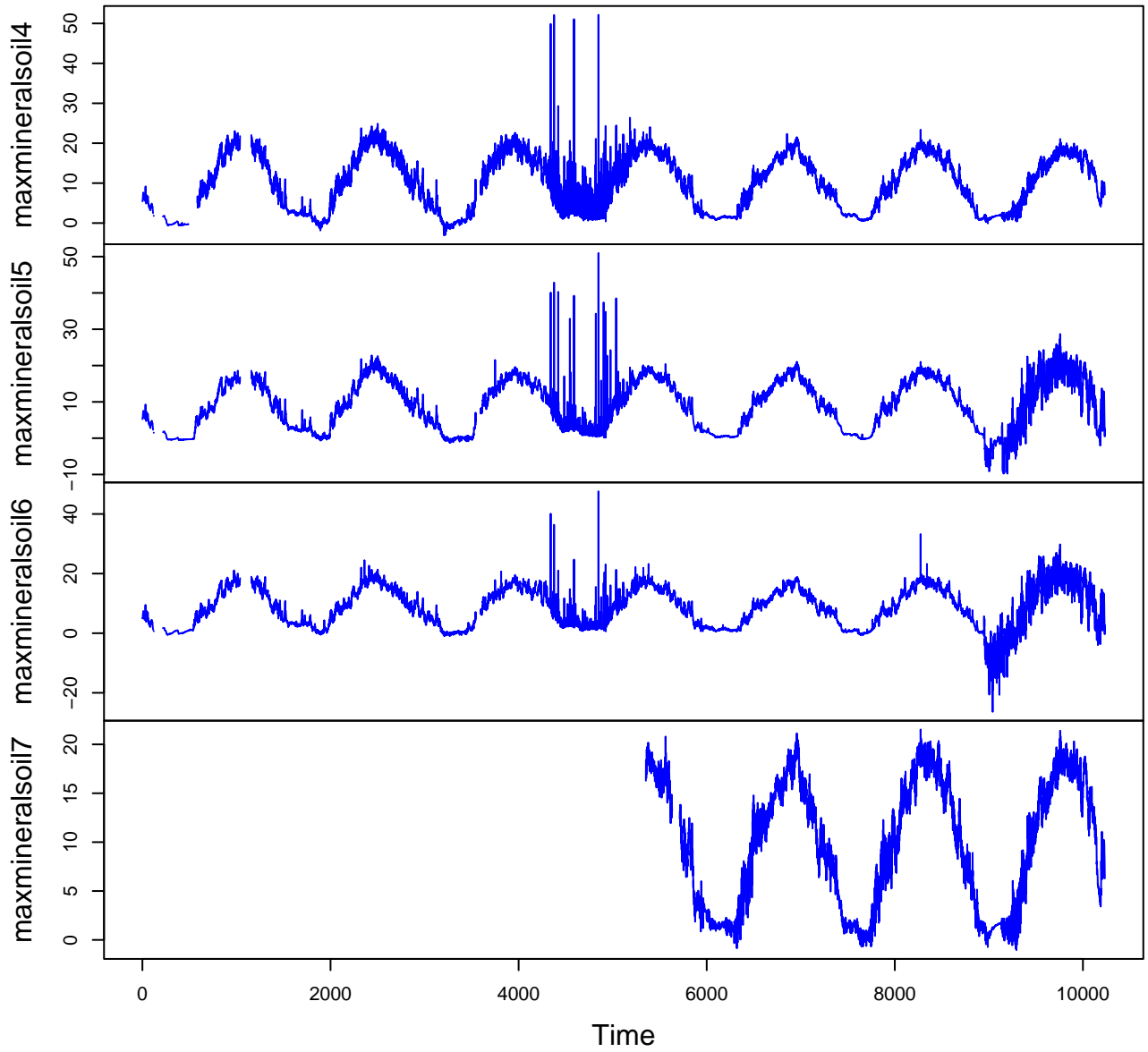
HF108-01 Plot 18



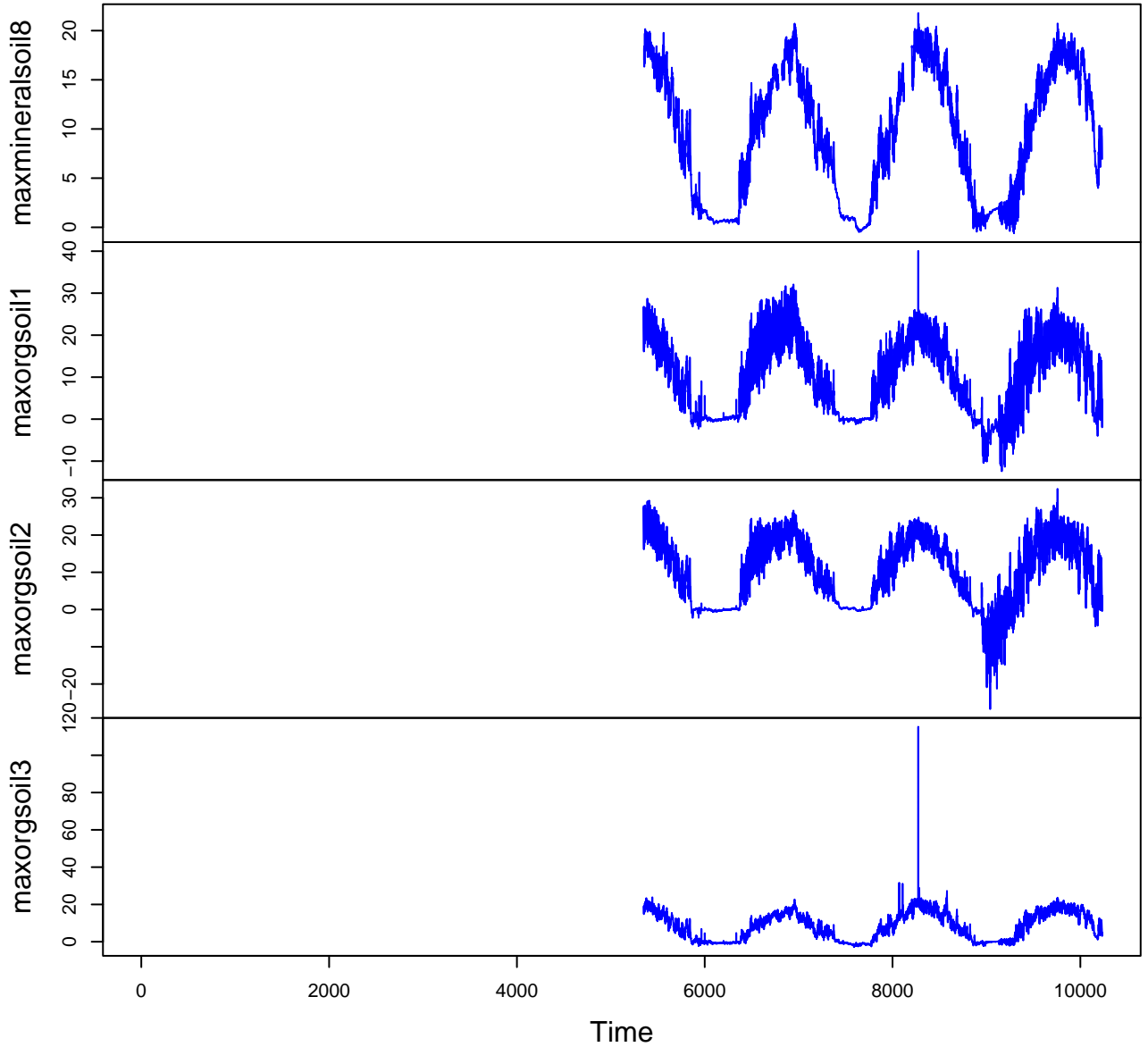
HF108-01 Plot 19



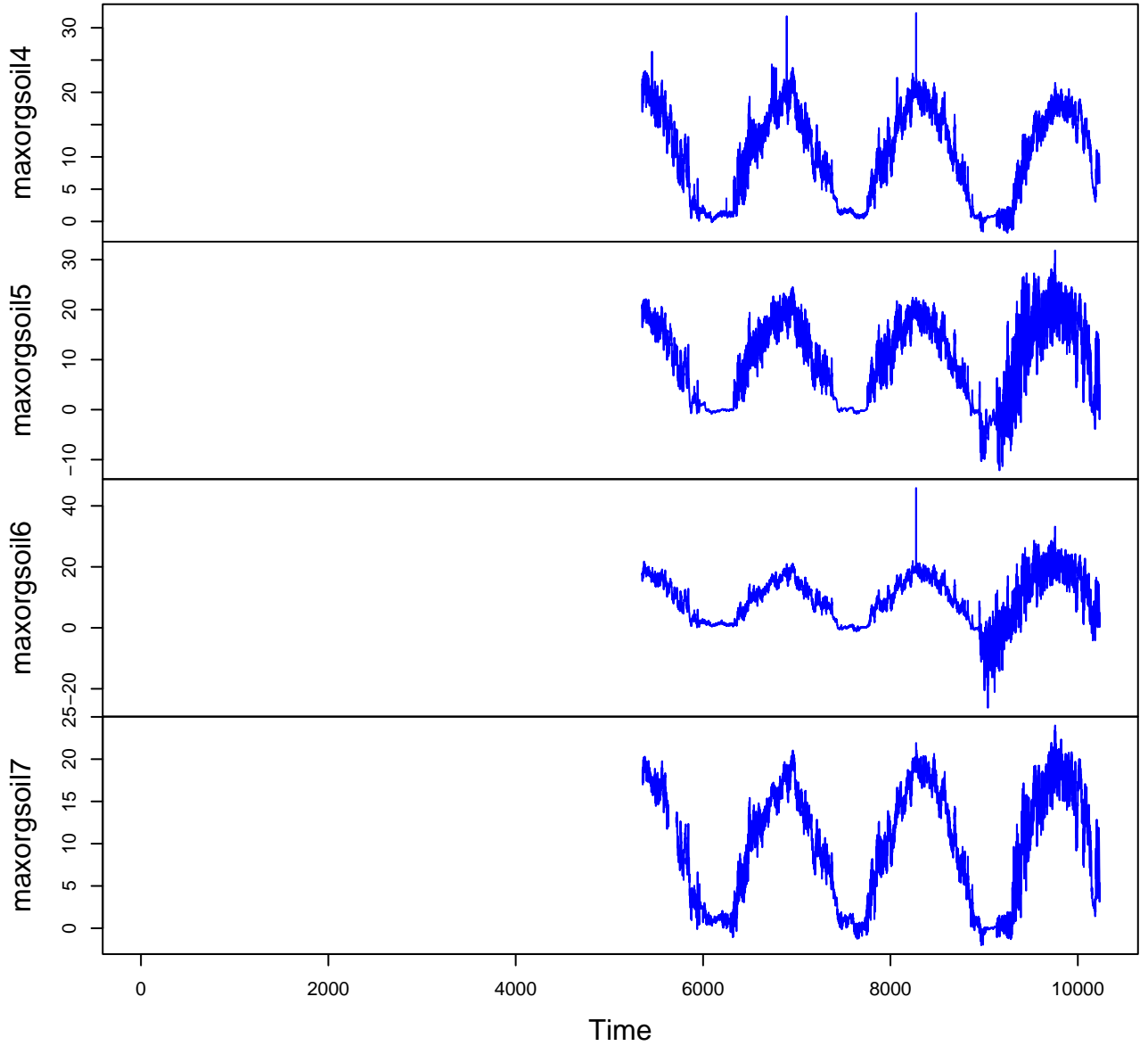
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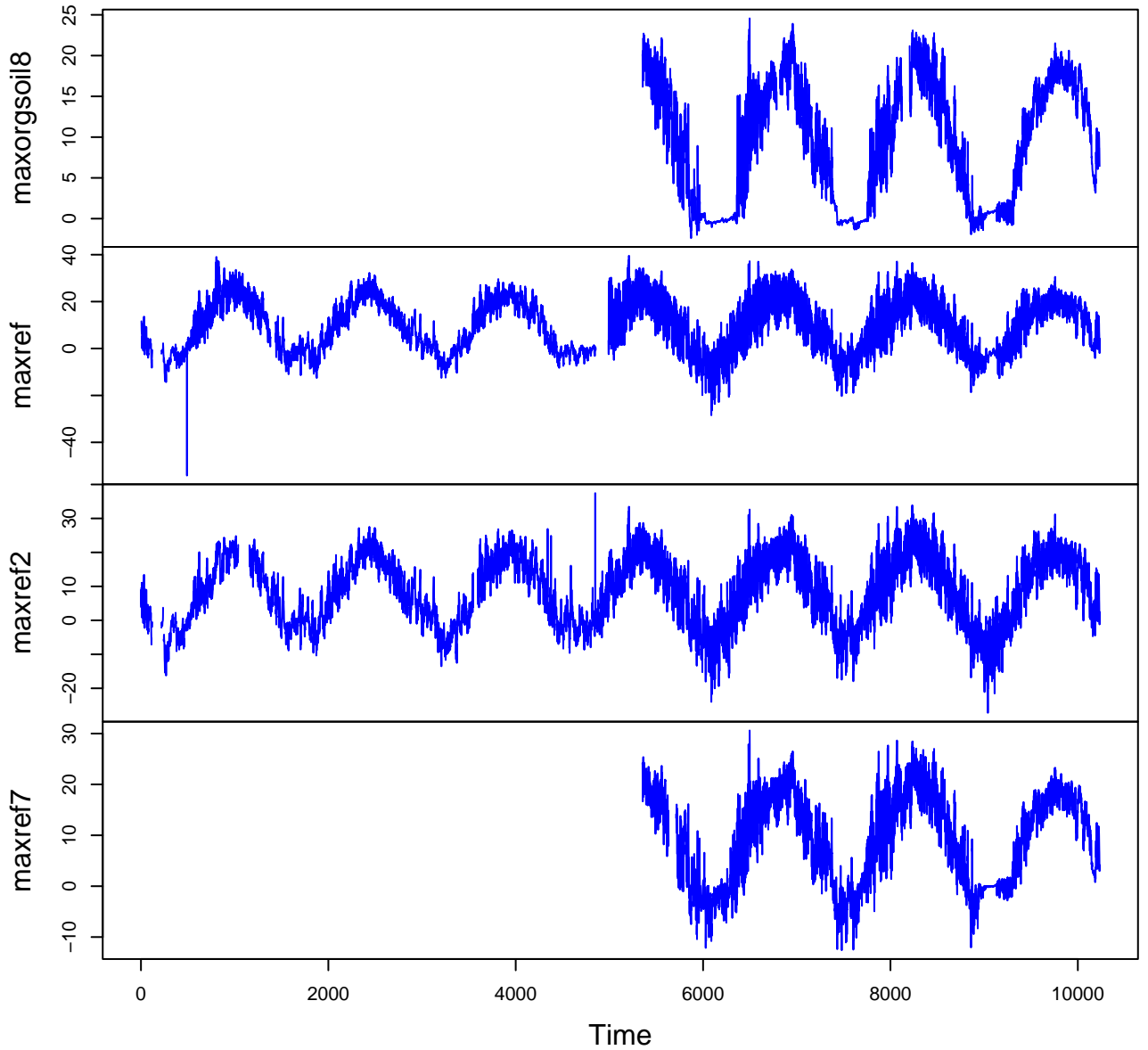
HF108-01 Plot 21



HF108-01 Plot 22



HF108-01 Plot 23



HF108-01 Plot 24

