

Harvard Forest Data Archive HF108-02

Data File:

Name = hf108-02-air-soil-temp-2004-2011-filt.csv
Description = filtered air and soil temperature, 2004-2011
Rows = 61395 Columns = 93
MD5 checksum = 0d0dbe7257e4013d346d7d1d360502e2

Variables:

datetime = date and time (EST)
year = year
month = month (number)
week = week (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)

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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)

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

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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)

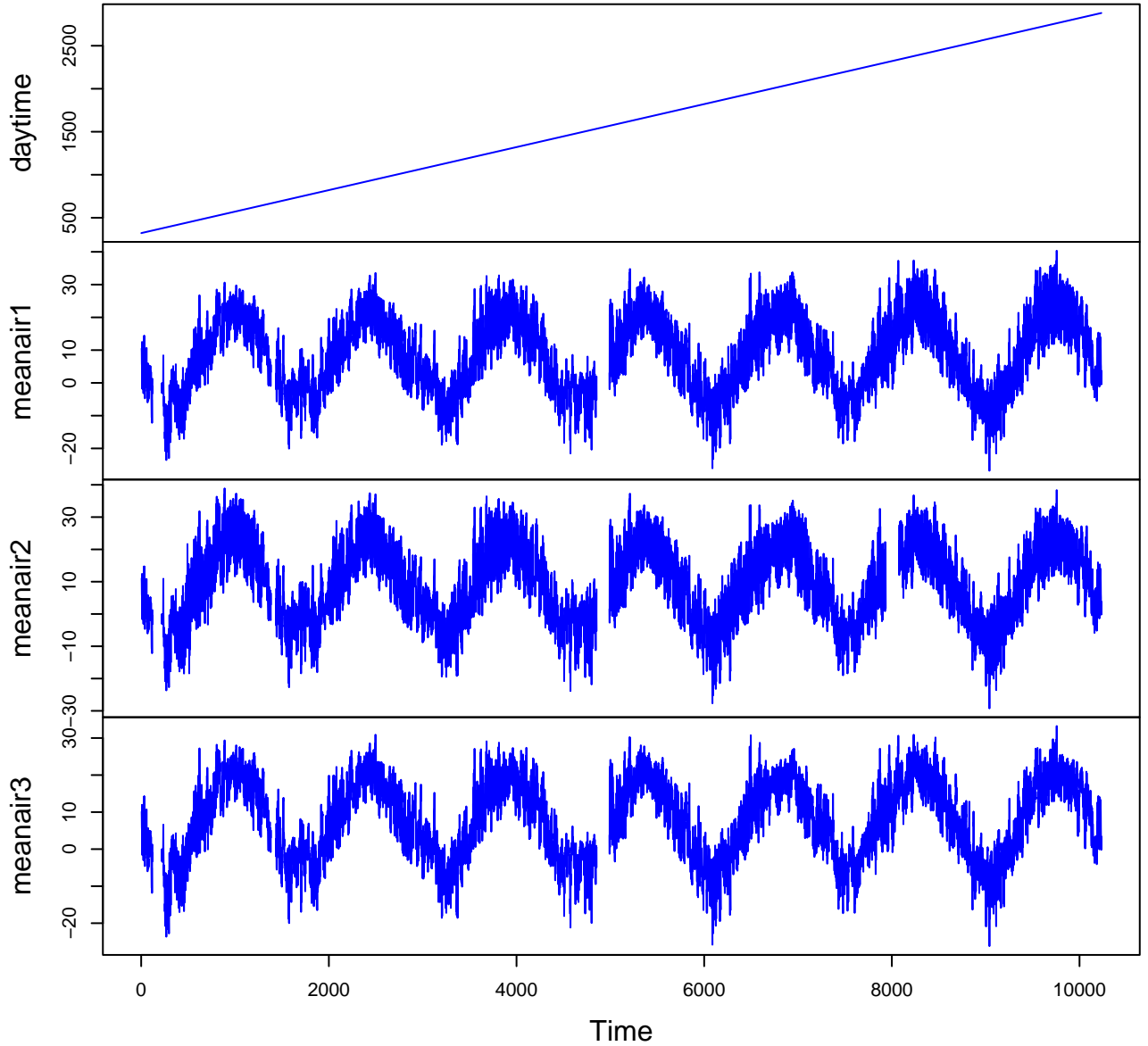
Variable	Min	Median	Mean	Max	NAs
datetime	2004-11-16T13:00			2011-11-18T15:00	0
year	2004.000	2008.000	2007.878	2011.000	0
month	1.000	7.000	6.528	12.000	0
week	1.000	27.000	26.551	53.000	0
ym	200411.000	200805.000	200794.327	201111.000	0
yw	200447.000	200820.000	200814.349	201146.000	0
doy	1.000	183.000	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	-27.330	8.520	8.131	42.550	1797
meanair2	-29.550	8.430	8.158	39.600	2843
meanair3	-26.880	8.420	7.757	33.240	1846
meanair4	-25.990	8.490	8.414	44.500	3603
meanair5	-26.350	8.600	8.243	40.930	2551
meanair6	-25.280	8.280	7.774	33.330	3005
meanair7	-26.620	9.965	8.685	32.370	32597
meanair8	-26.740	9.510	8.332	34.590	32834
meanminerals	-2.530	8.670	8.978	26.420	2925
meanminerals	-5.870	9.510	9.309	27.470	1843
meanminerals	-2.330	8.365	8.477	22.100	3337
meanminerals	-3.490	9.850	9.615	24.170	6021
meanminerals	-1.470	8.810	8.825	22.720	5998
meanminerals	-1.160	8.350	8.336	21.910	4561
meanminerals	-1.750	10.220	9.832	21.440	32596
meanminerals	-2.720	9.560	9.148	21.680	32835
meanorgsoil1	-2.530	9.580	9.439	30.810	32105
meanorgsoil2	-3.125	9.290	9.371	44.530	33351
meanorgsoil3	-3.070	7.960	7.831	27.030	32148
meanorgsoil4	-0.520	10.100	9.556	22.910	32168
meanorgsoil5	-1.460	10.150	9.545	24.800	32139
meanorgsoil6	-1.450	9.080	8.750	20.850	32174
meanorgsoil7	-1.960	10.120	9.674	21.820	32596
meanorgsoil8	-3.310	9.560	9.076	25.270	32840
meanref	-54.140	9.110	8.806	42.900	1756
meanref2	-26.930	8.610	8.245	39.590	2168
meanref7	-13.480	10.420	9.283	32.200	32596
meanref8	-17.090	10.090	8.946	35.320	32832
minair1	-27.600	7.920	7.520	39.870	1796
minair2	-30.060	7.690	7.343	37.940	2842
minair3	-27.230	7.920	7.290	32.170	1846
minair4	-26.610	7.700	7.530	40.400	3603
minair5	-26.580	7.990	7.660	37.880	2551
minair6	-26.060	7.760	7.281	32.520	3005
minair7	-26.970	9.465	8.196	31.500	32597
minair8	-27.230	8.850	7.757	32.370	32834
minmineralso	-2.160	9.600	9.262	25.760	32095
minmineralso	-6.220	9.400	9.220	27.330	1842
minmineralso	-2.350	8.290	8.400	21.780	3337
minmineralso	-3.650	9.590	9.343	24.090	6021

Variable	Min	Median	Mean	Max	NAs
minmineralso	-1.740	8.720	8.756	22.540	5998
minmineralso	-1.800	8.020	7.994	20.940	4561
minmineralso	-2.540	10.090	9.729	21.230	32596
minmineralso	-3.480	9.445	9.059	21.480	32835
minorgsoil1	-2.590	9.180	9.077	28.410	32105
minorgsoil2	-3.578	9.060	9.157	40.430	33351
minorgsoil3	-5.060	7.510	7.434	26.200	32148
minorgsoil4	-1.870	9.350	8.812	21.950	32168
minorgsoil5	-1.490	9.970	9.406	24.490	32139
minorgsoil6	-6.300	8.550	8.221	20.500	32174
minorgsoil7	-2.760	9.990	9.573	21.630	32596
minorgsoil8	-3.630	9.340	8.927	25.270	32840
minref	-54.140	8.880	8.459	41.590	1755
minref2	-27.070	8.270	7.937	38.480	2176
minref7	-13.500	10.100	9.041	32.000	32596
minref8	-17.170	9.710	8.627	34.990	32832
maxair1	-27.100	9.160	8.814	45.060	1796
maxair2	-29.100	9.340	9.116	41.580	2842
maxair3	-26.300	8.950	8.271	34.440	1846
maxair4	-25.410	9.360	9.443	50.070	3603
maxair5	-26.060	9.200	8.889	43.940	2551
maxair6	-24.640	8.860	8.294	33.930	3005
maxair7	-25.790	10.540	9.240	36.210	32597
maxair8	-26.240	10.180	8.980	36.560	32834
maxmineralso	-2.520	8.810	9.138	43.030	2922
maxmineralso	-5.610	9.630	9.399	27.710	1842
maxmineralso	-2.320	8.450	8.557	23.310	3337
maxmineralso	-3.350	10.120	9.889	25.450	6021
maxmineralso	-1.360	8.890	8.893	22.800	5998
maxmineralso	-1.060	8.670	8.677	24.100	4561
maxmineralso	-1.450	10.340	9.932	21.520	32596
maxmineralso	-2.550	9.660	9.237	21.790	32835
maxorgsoil1	-2.450	9.965	9.816	32.370	32105
maxorgsoil2	-2.651	9.560	9.607	48.490	33351
maxorgsoil3	-2.930	8.370	8.233	28.050	32148
maxorgsoil4	-0.260	10.840	10.308	26.720	32168
maxorgsoil5	-1.410	10.330	9.685	25.000	32139
maxorgsoil6	-1.270	9.640	9.280	25.200	32174
maxorgsoil7	-1.520	10.240	9.772	21.920	32596
maxorgsoil8	-3.060	9.780	9.225	25.600	32840
maxref	-54.140	9.500	9.182	43.740	1755
maxref2	-26.510	8.960	8.565	120.100	2173
maxref7	-13.410	10.710	9.525	32.310	32596
maxref8	-16.950	10.470	9.266	35.420	32832

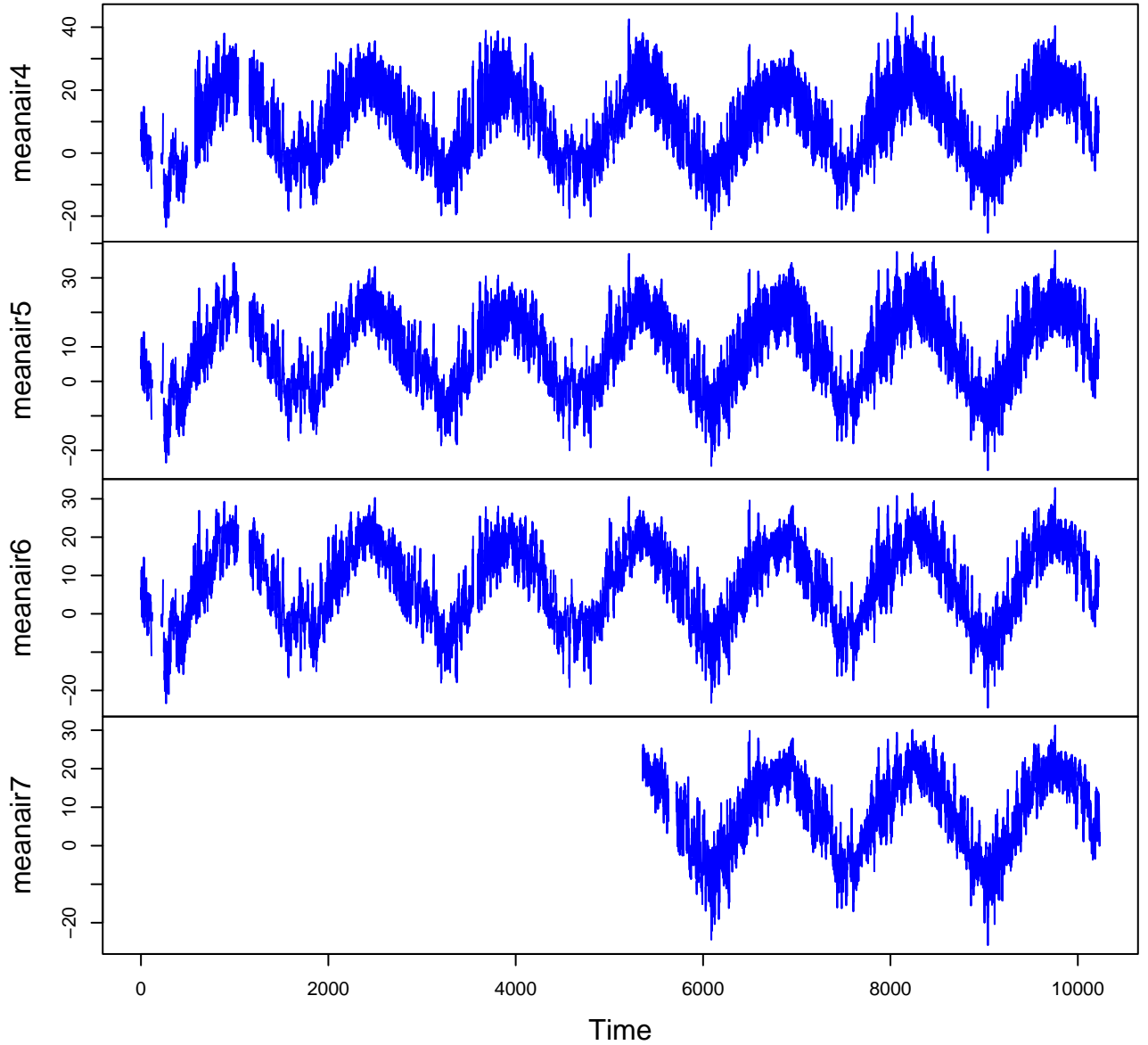
HF108-02 Plot 1



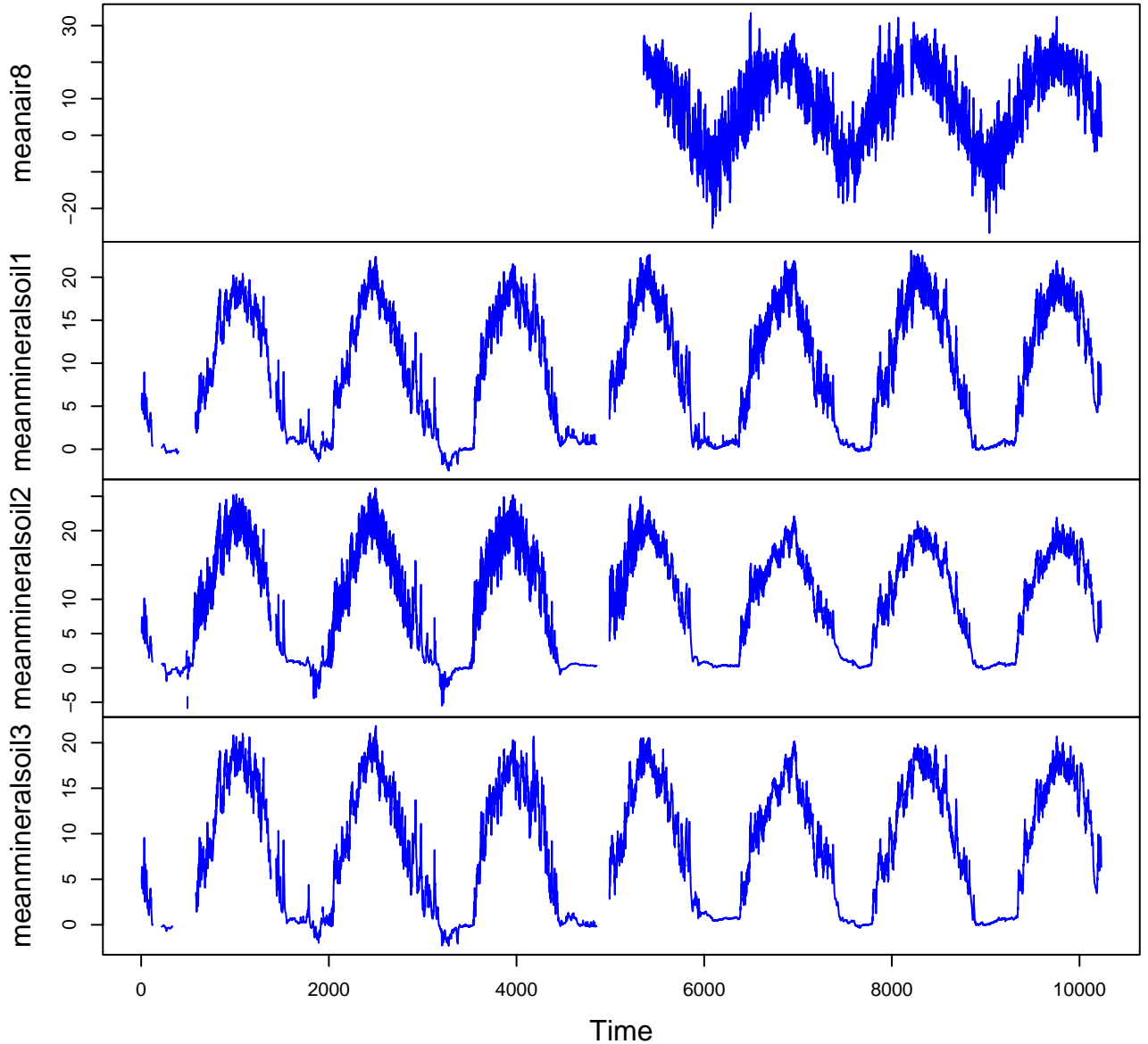
HF108-02 Plot 3



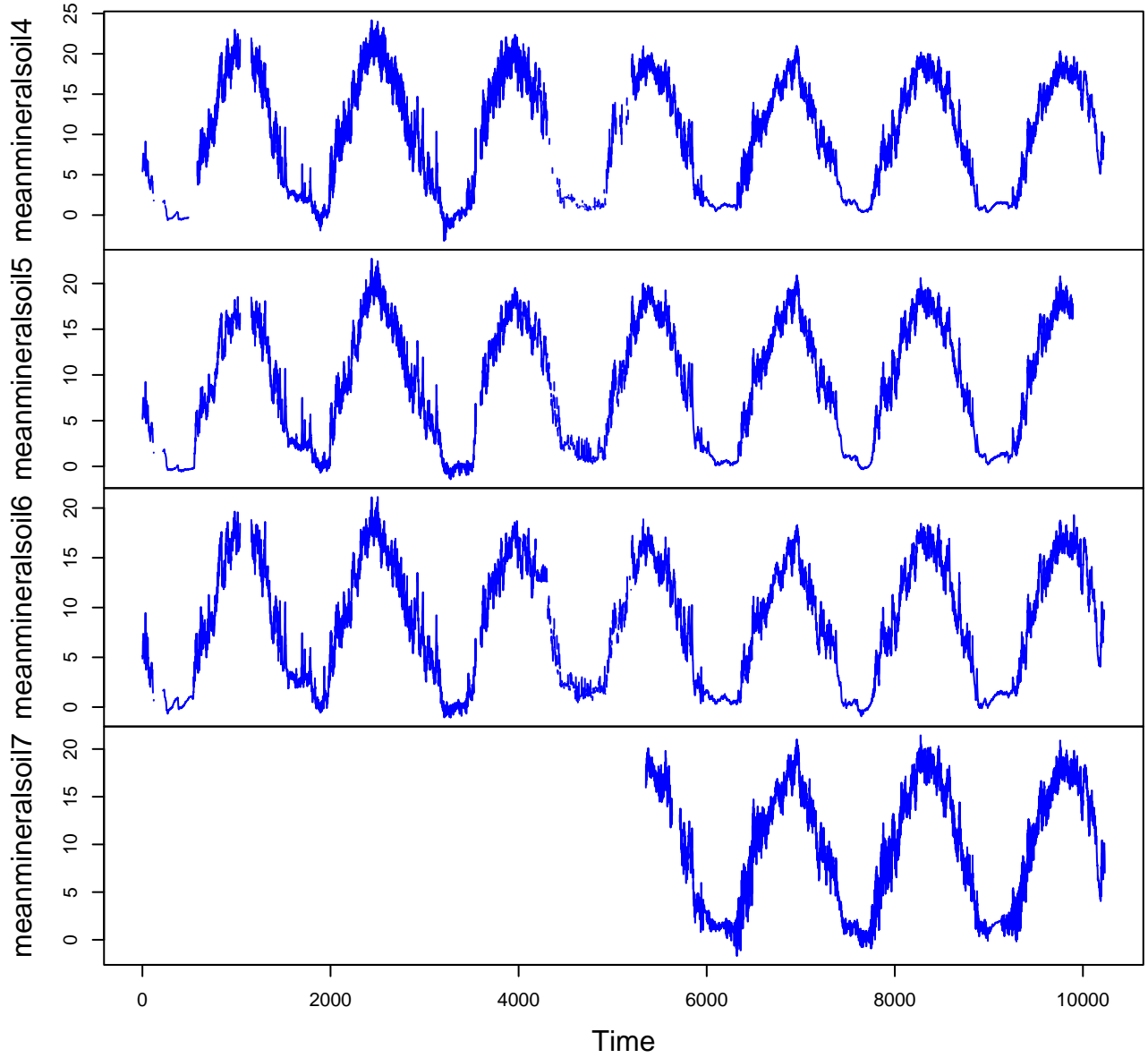
HF108-02 Plot 4



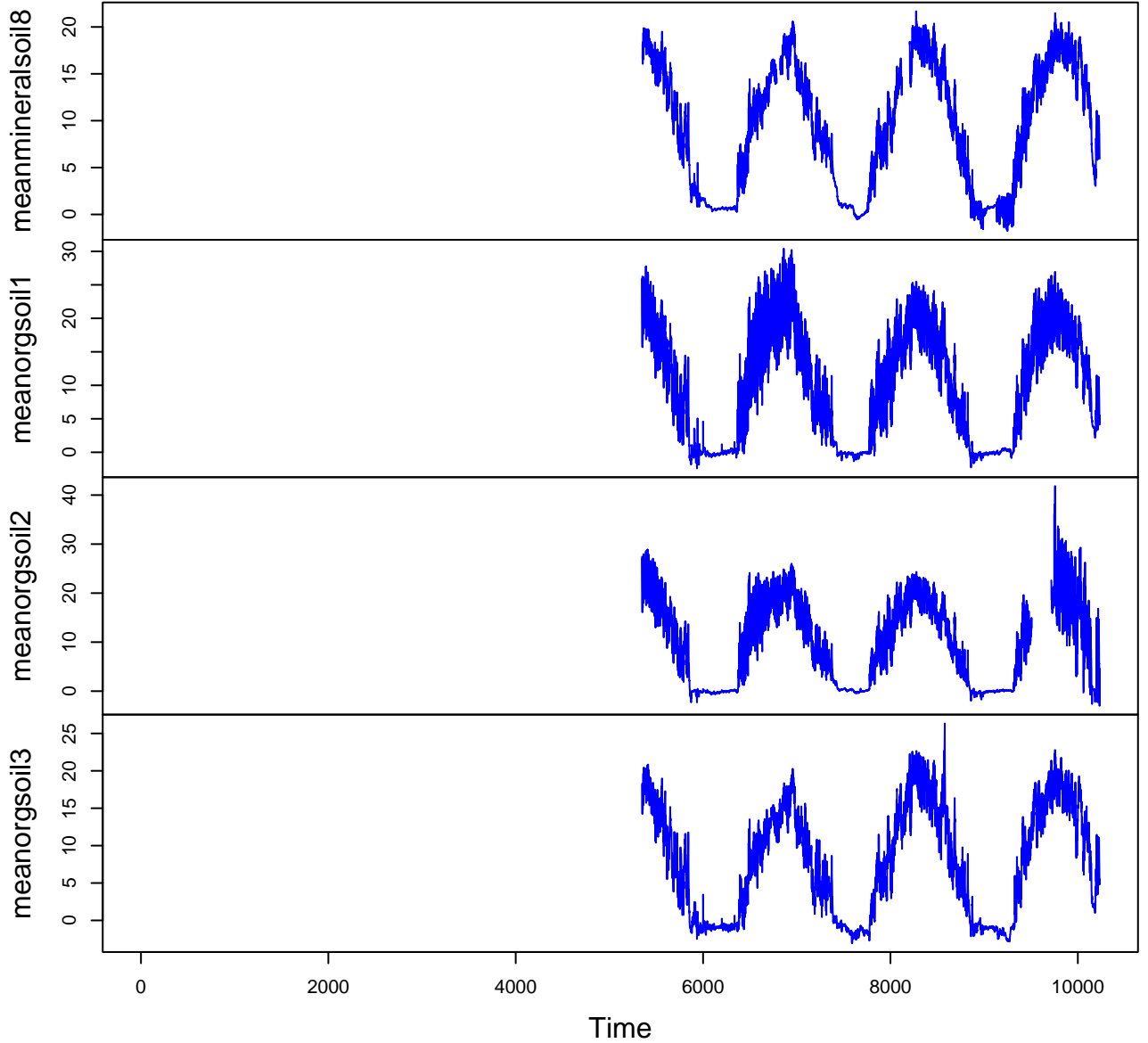
HF108-02 Plot 5



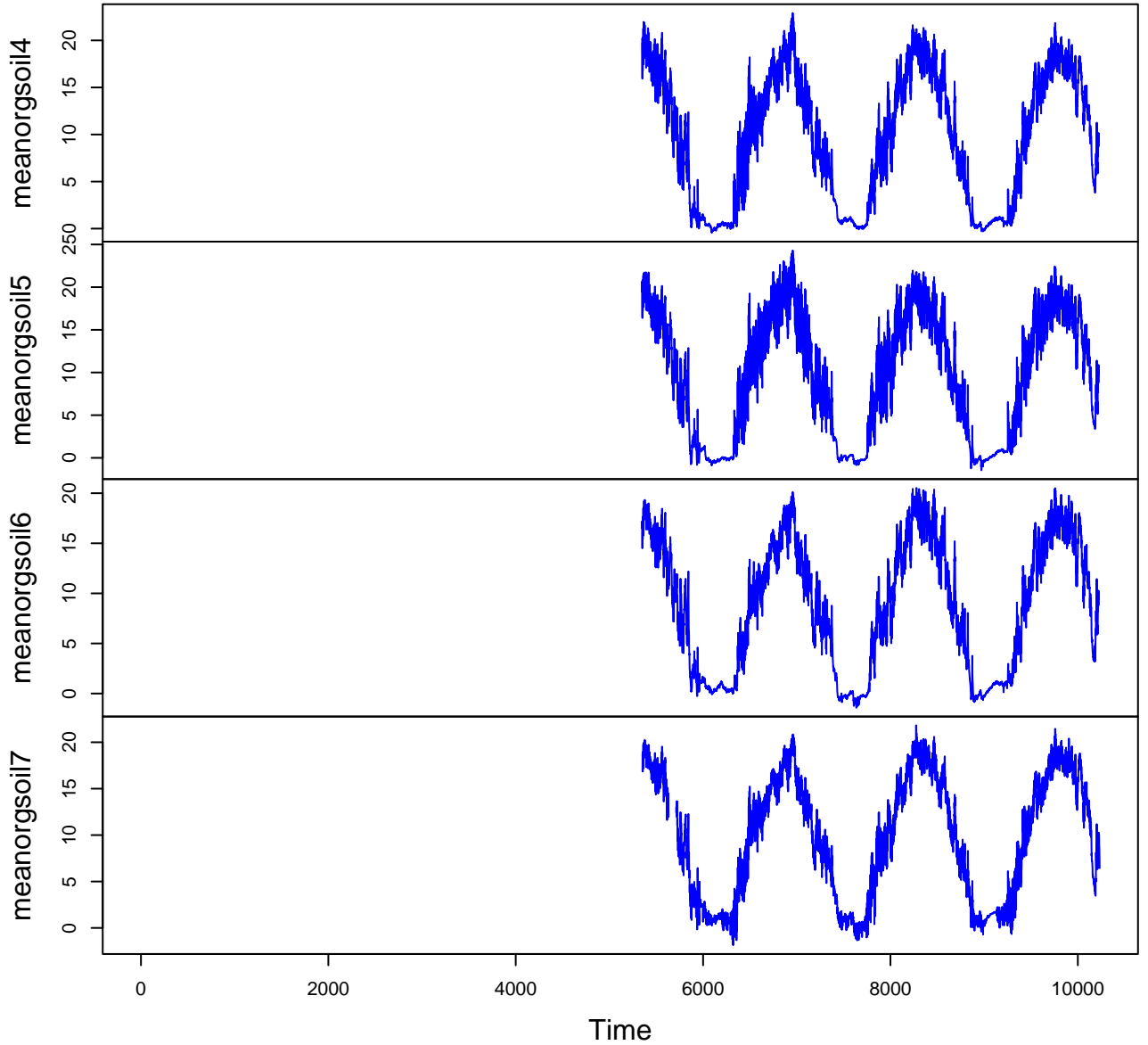
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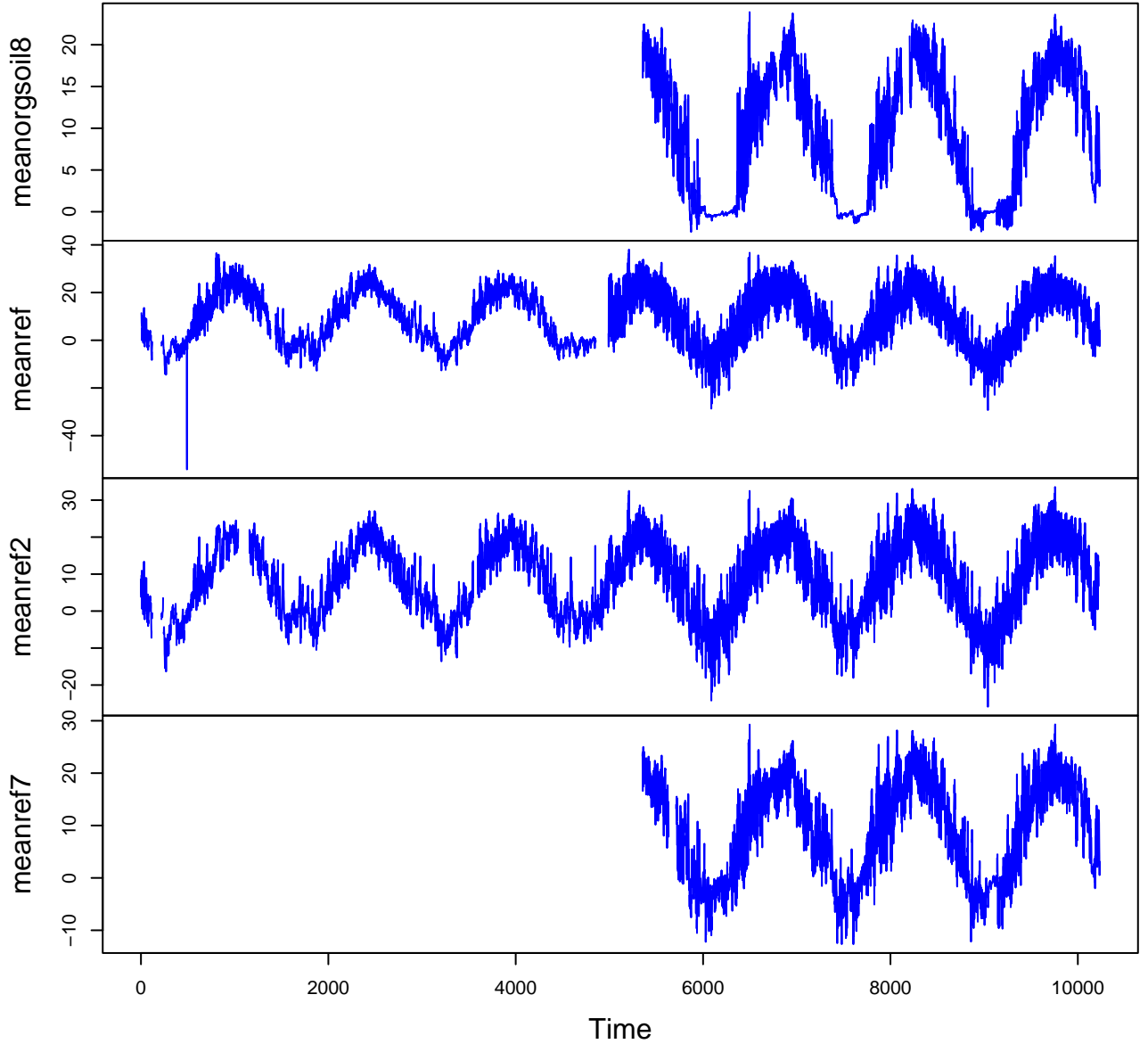
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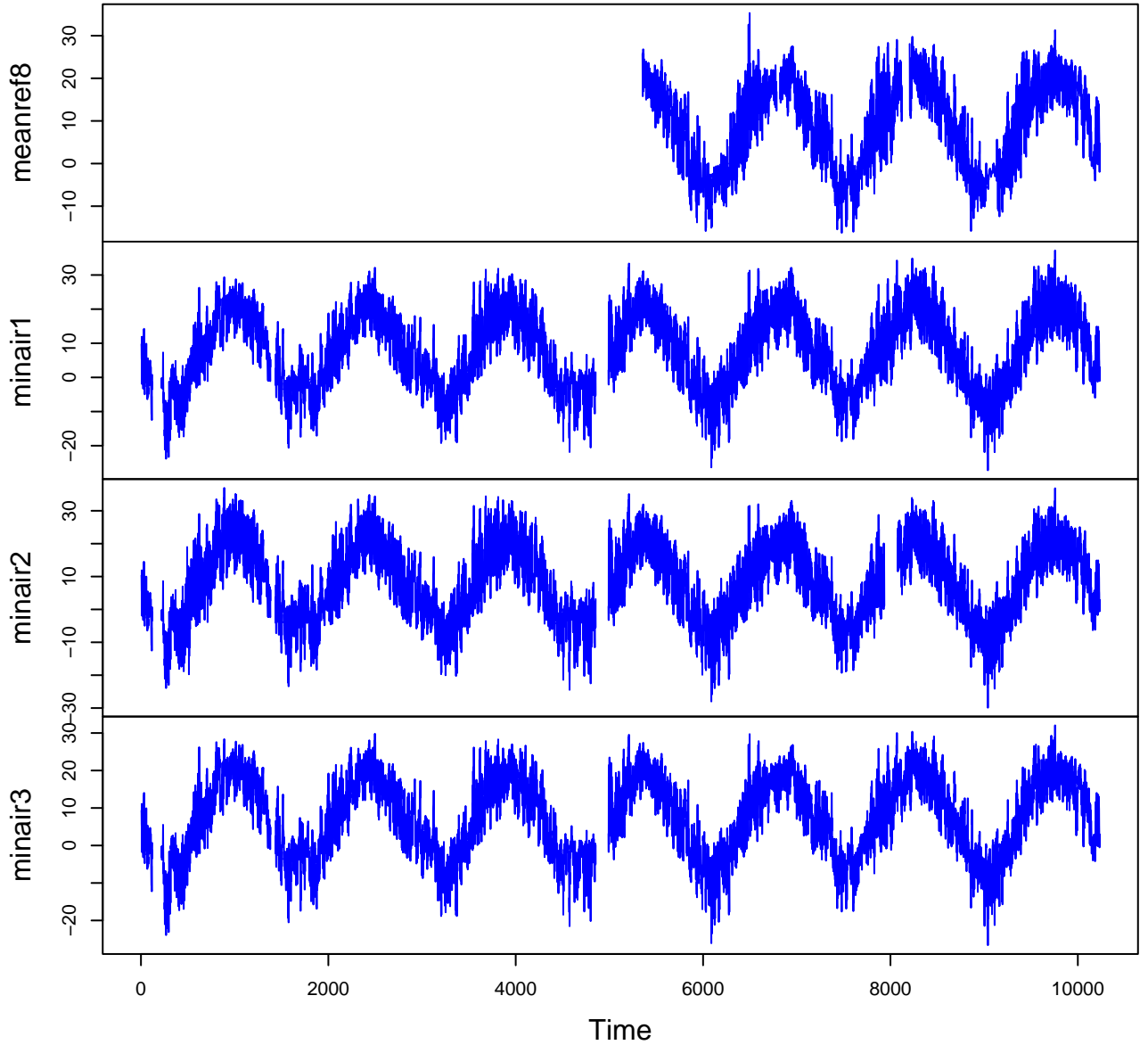
HF108-02 Plot 8



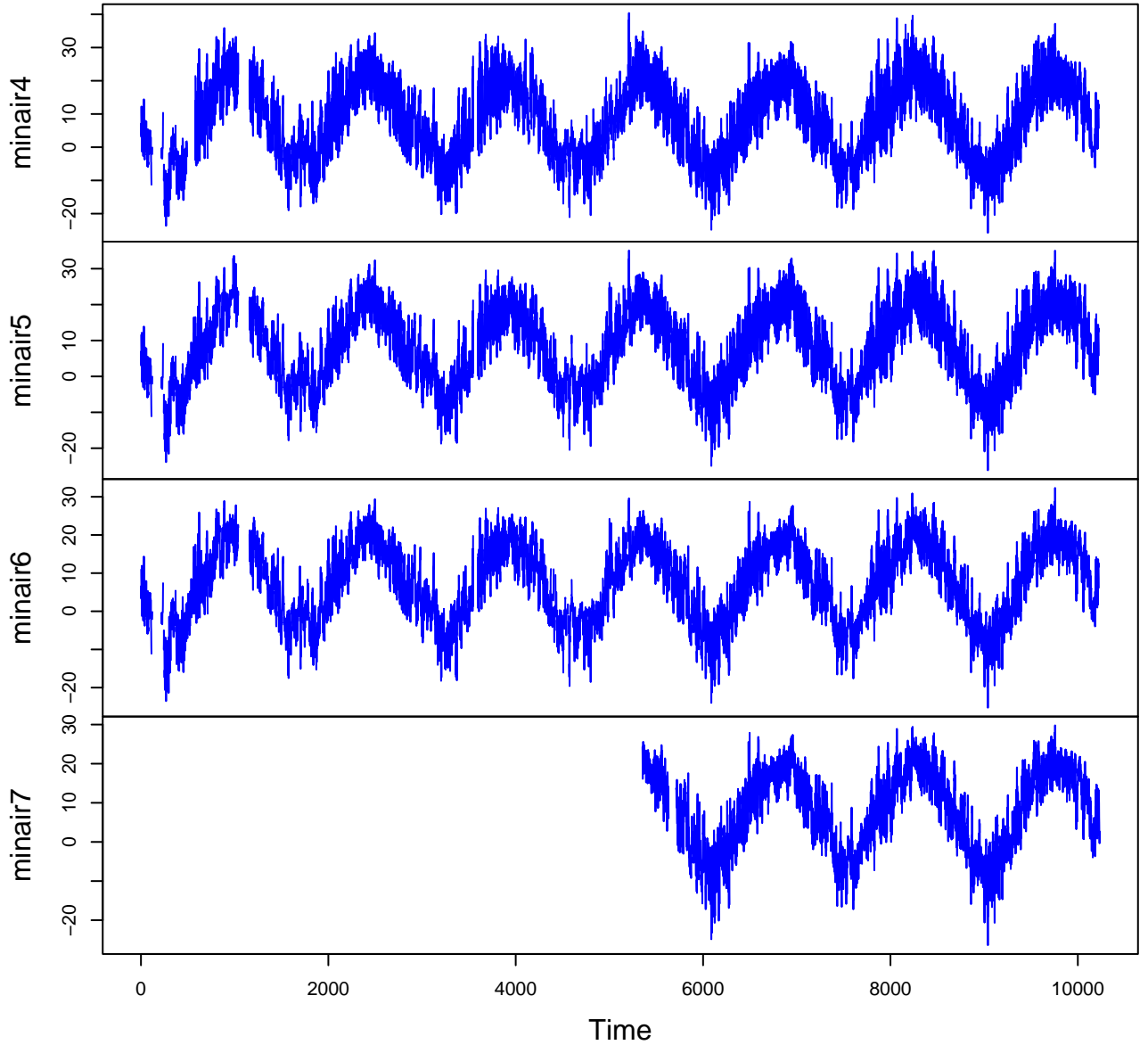
HF108-02 Plot 9



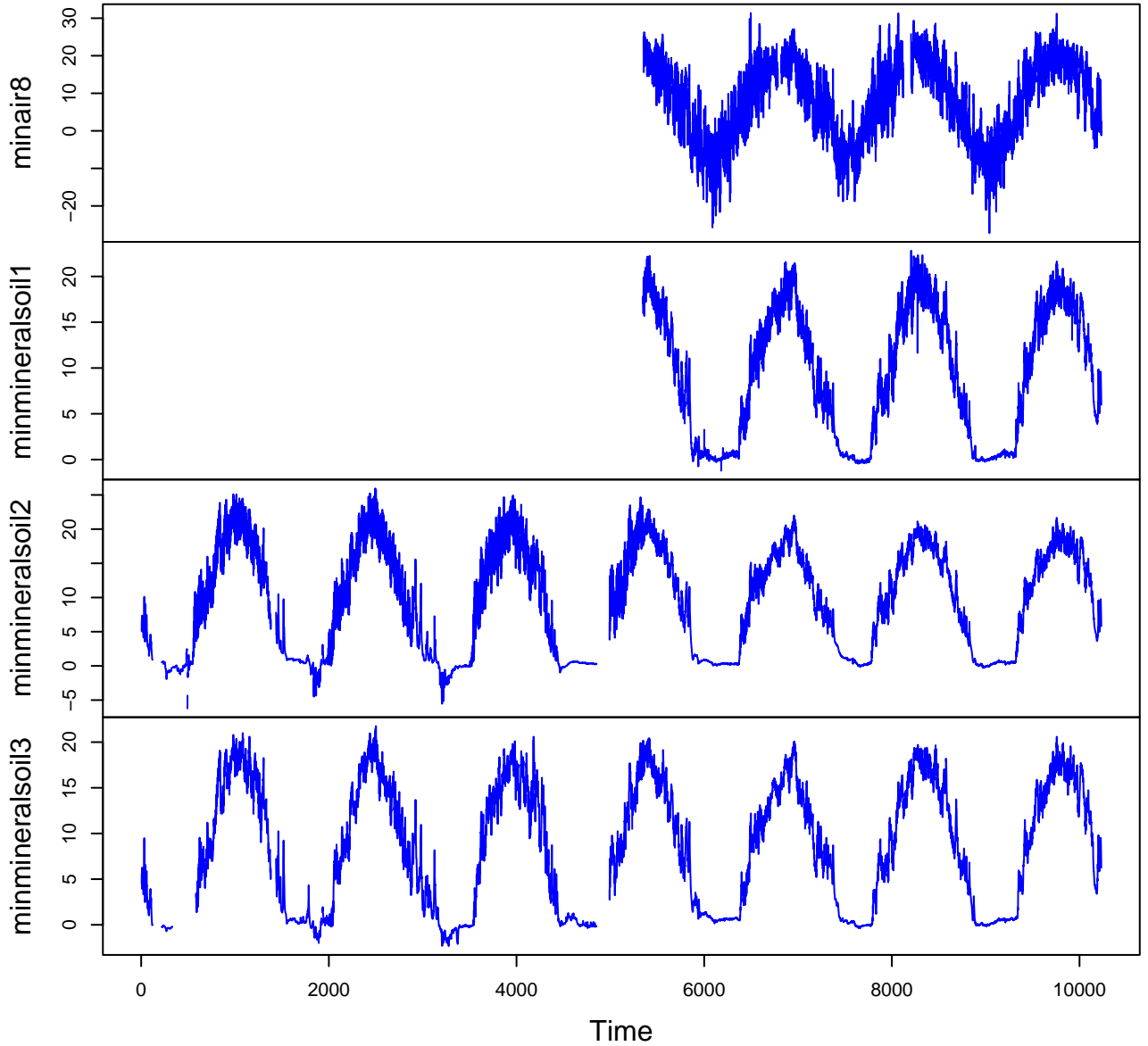
HF108-02 Plot 10



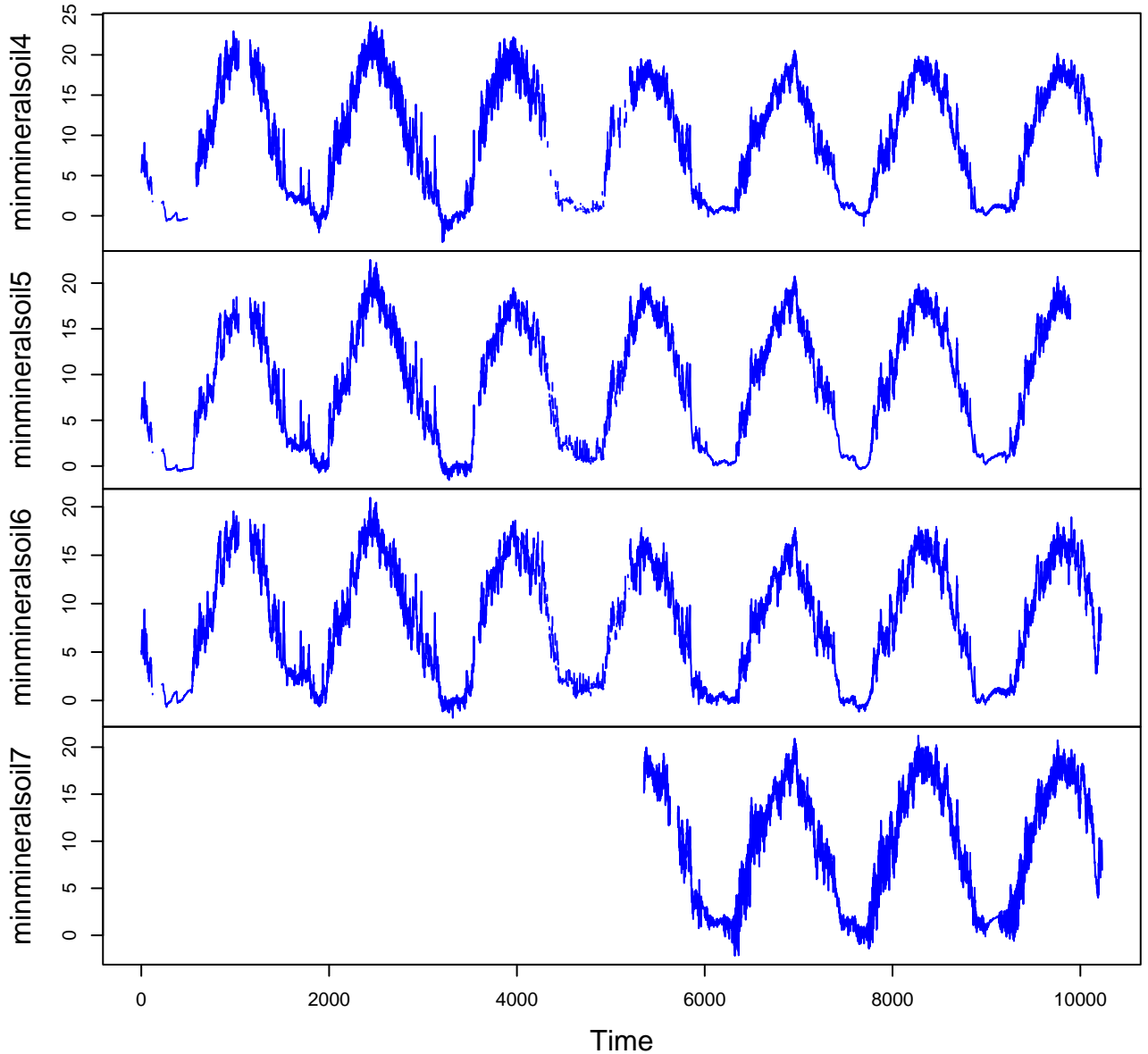
HF108-02 Plot 11



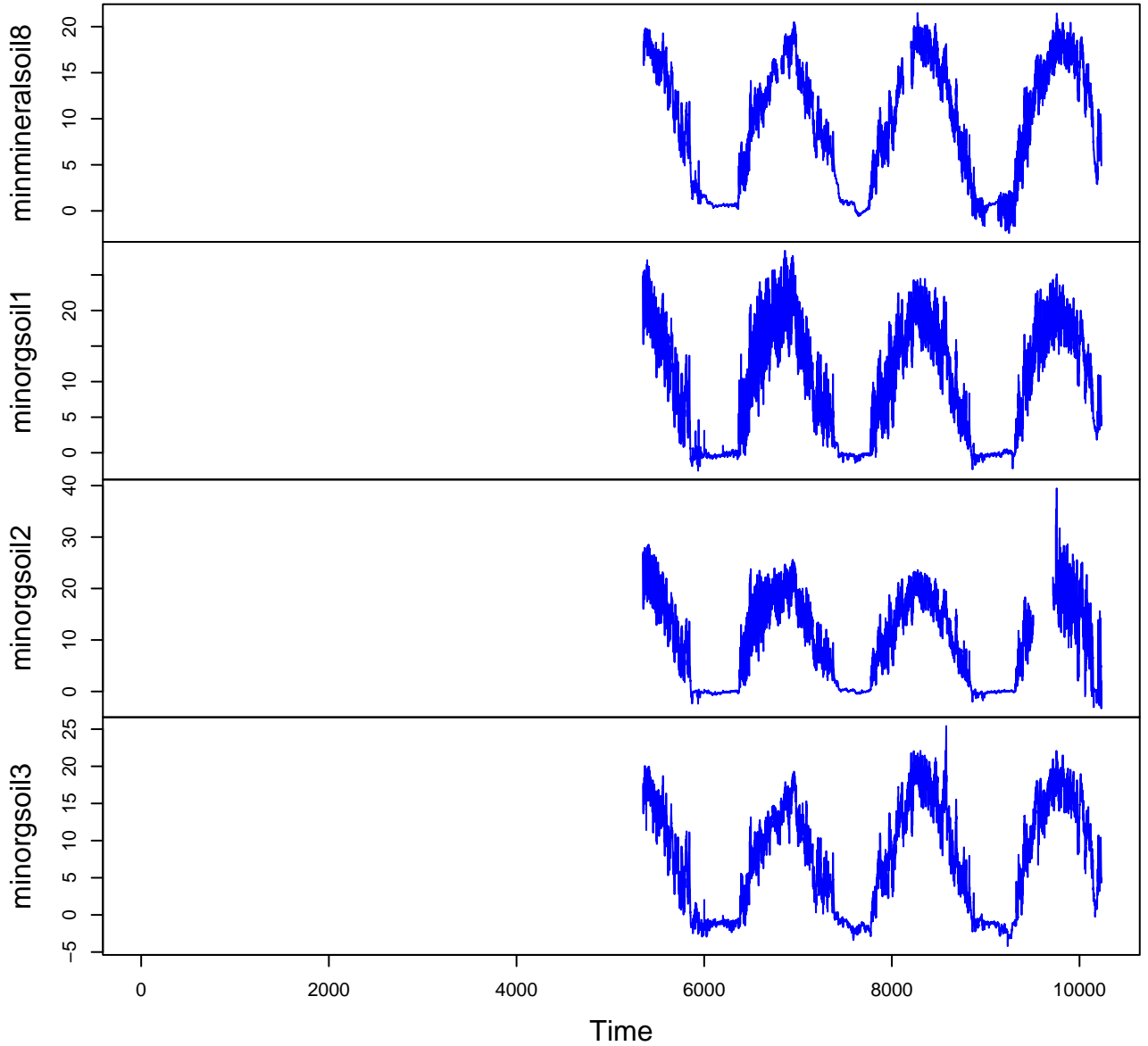
HF108-02 Plot 12



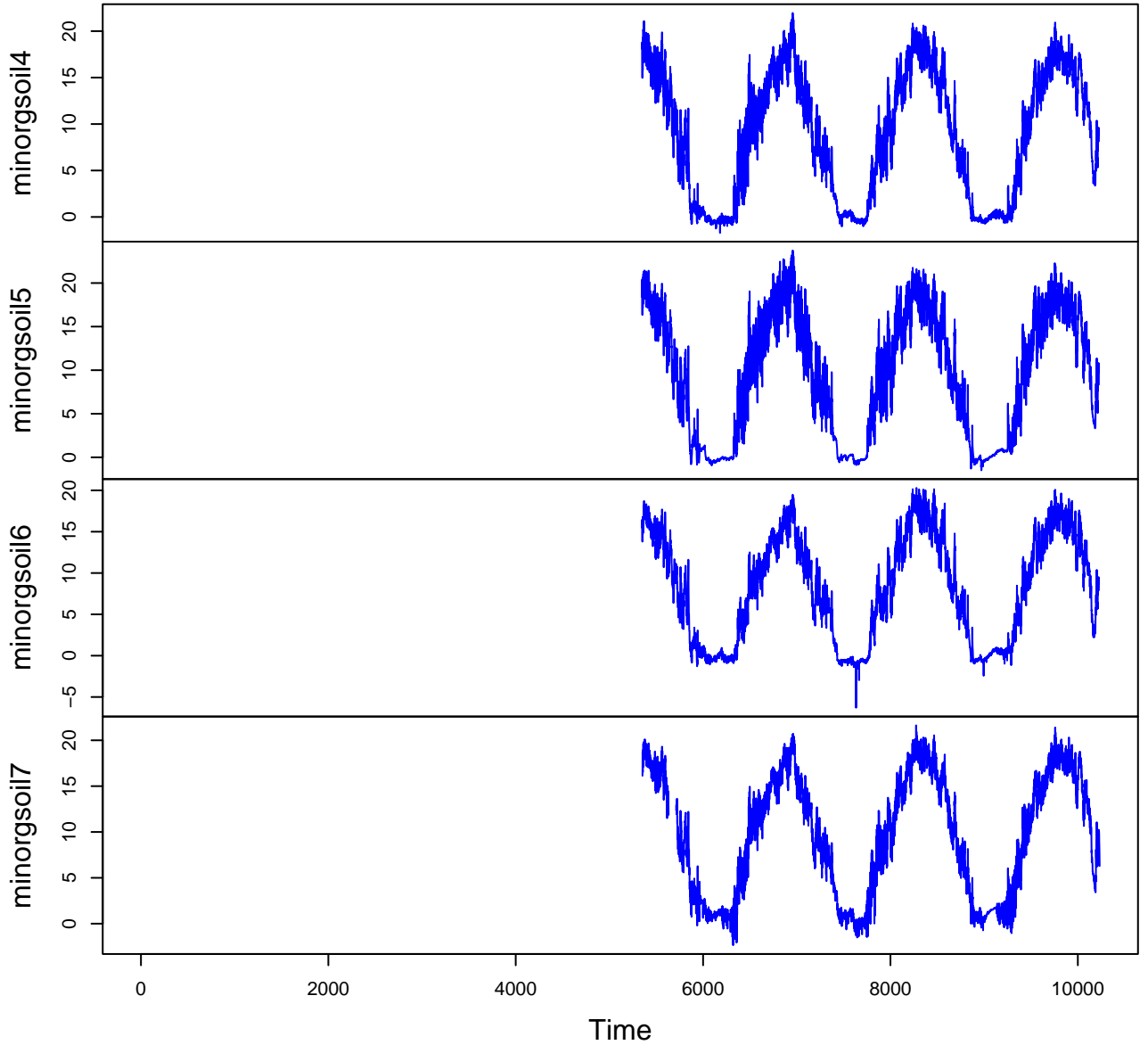
HF108-02 Plot 13



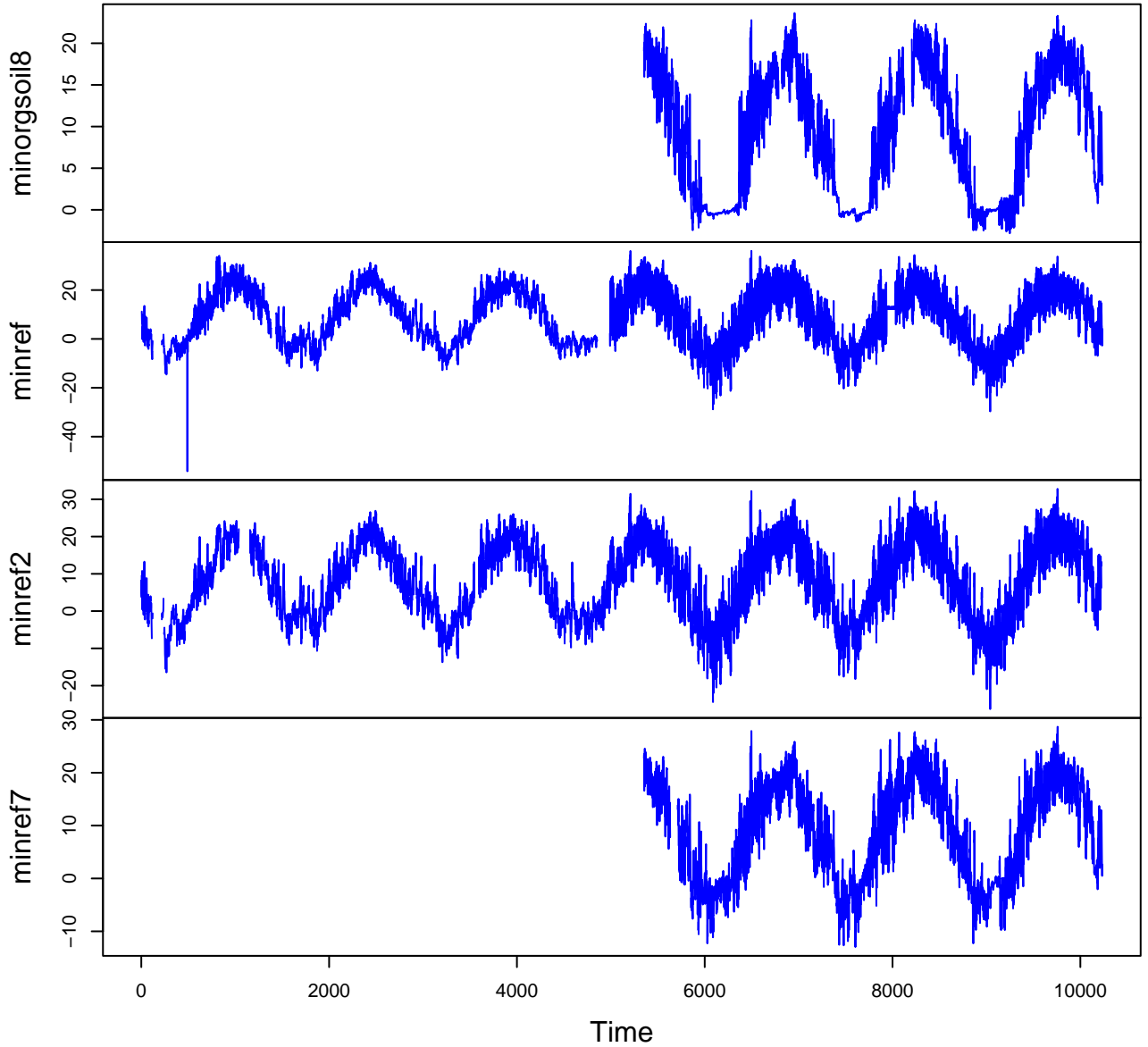
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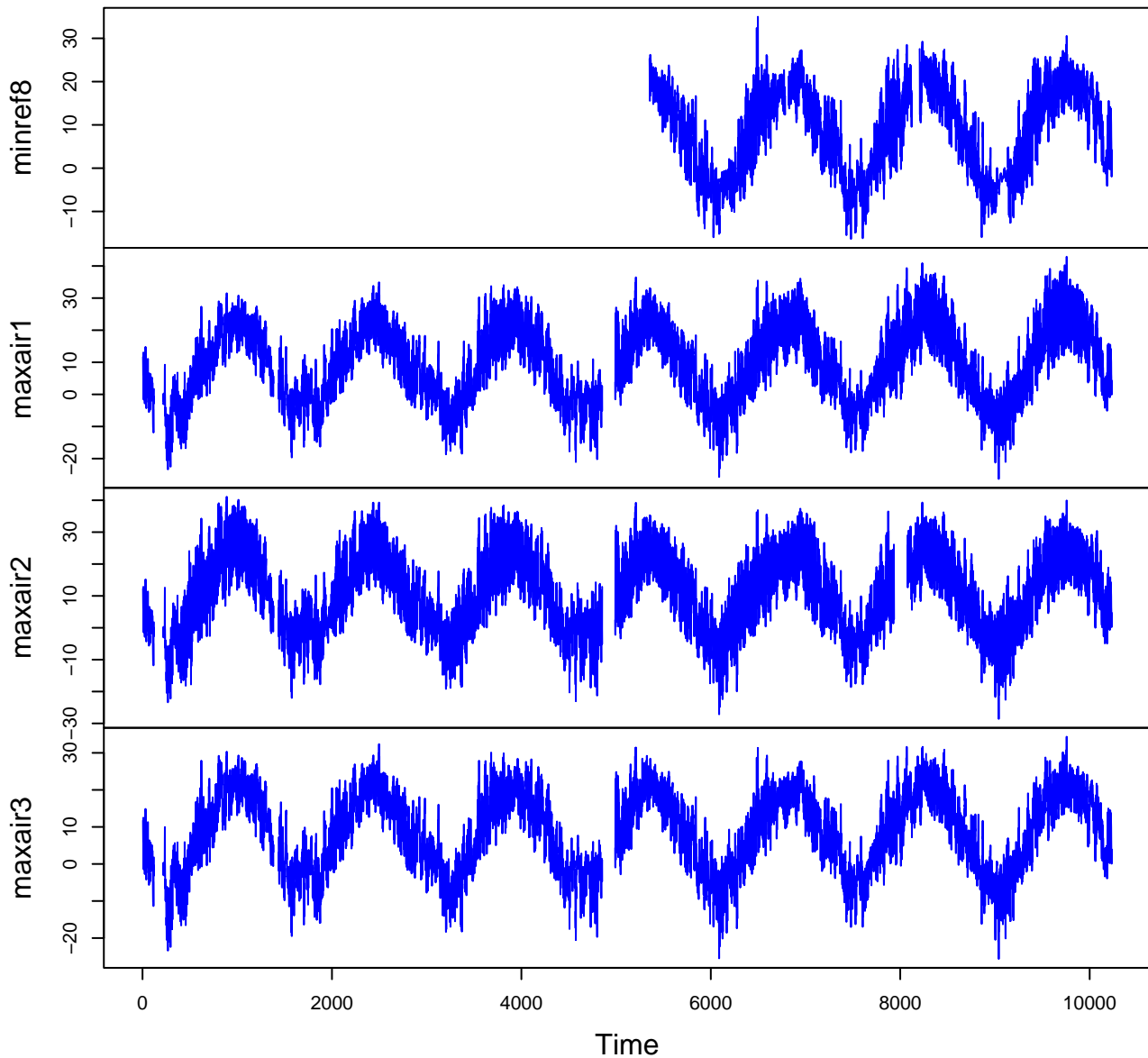
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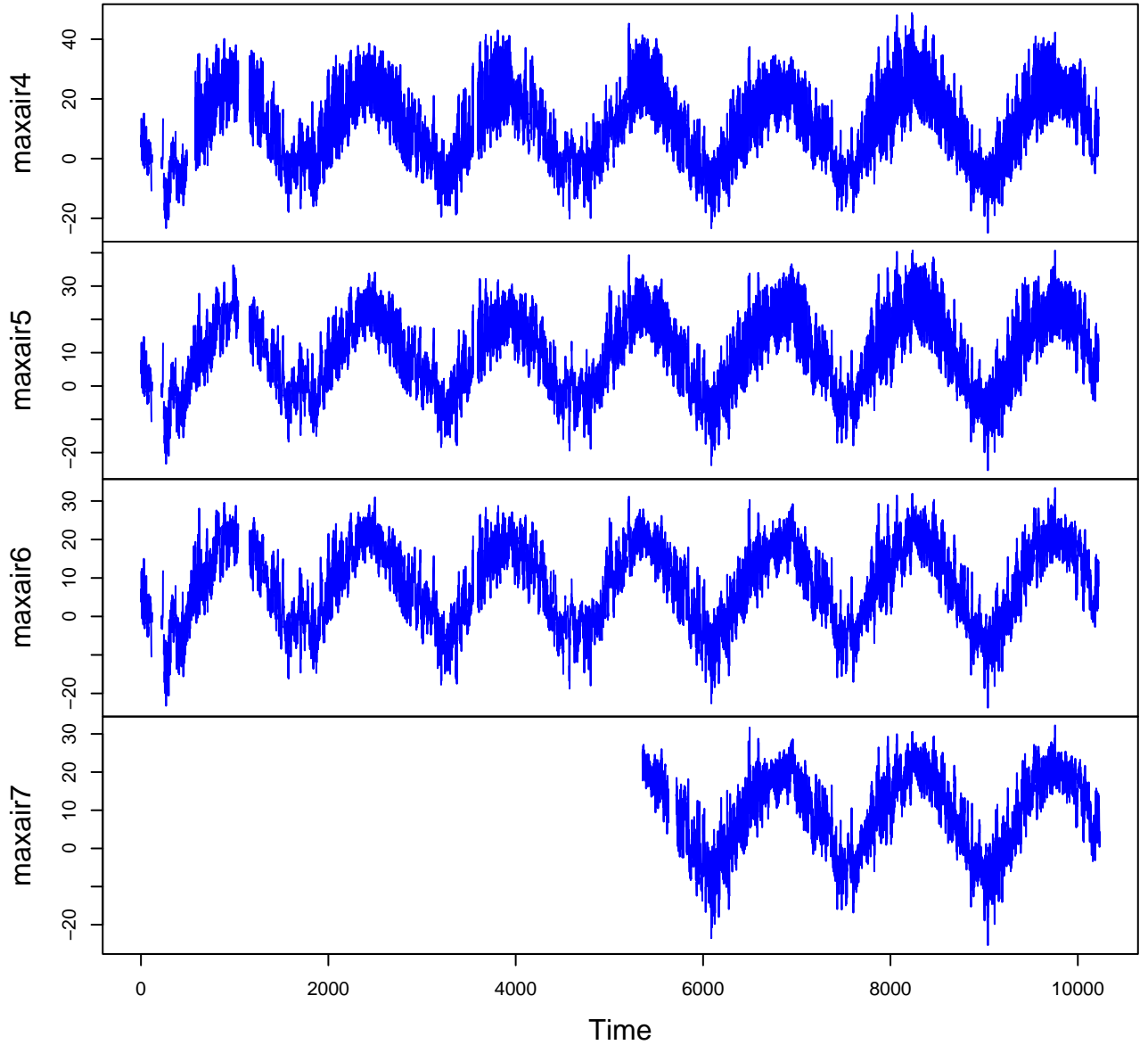
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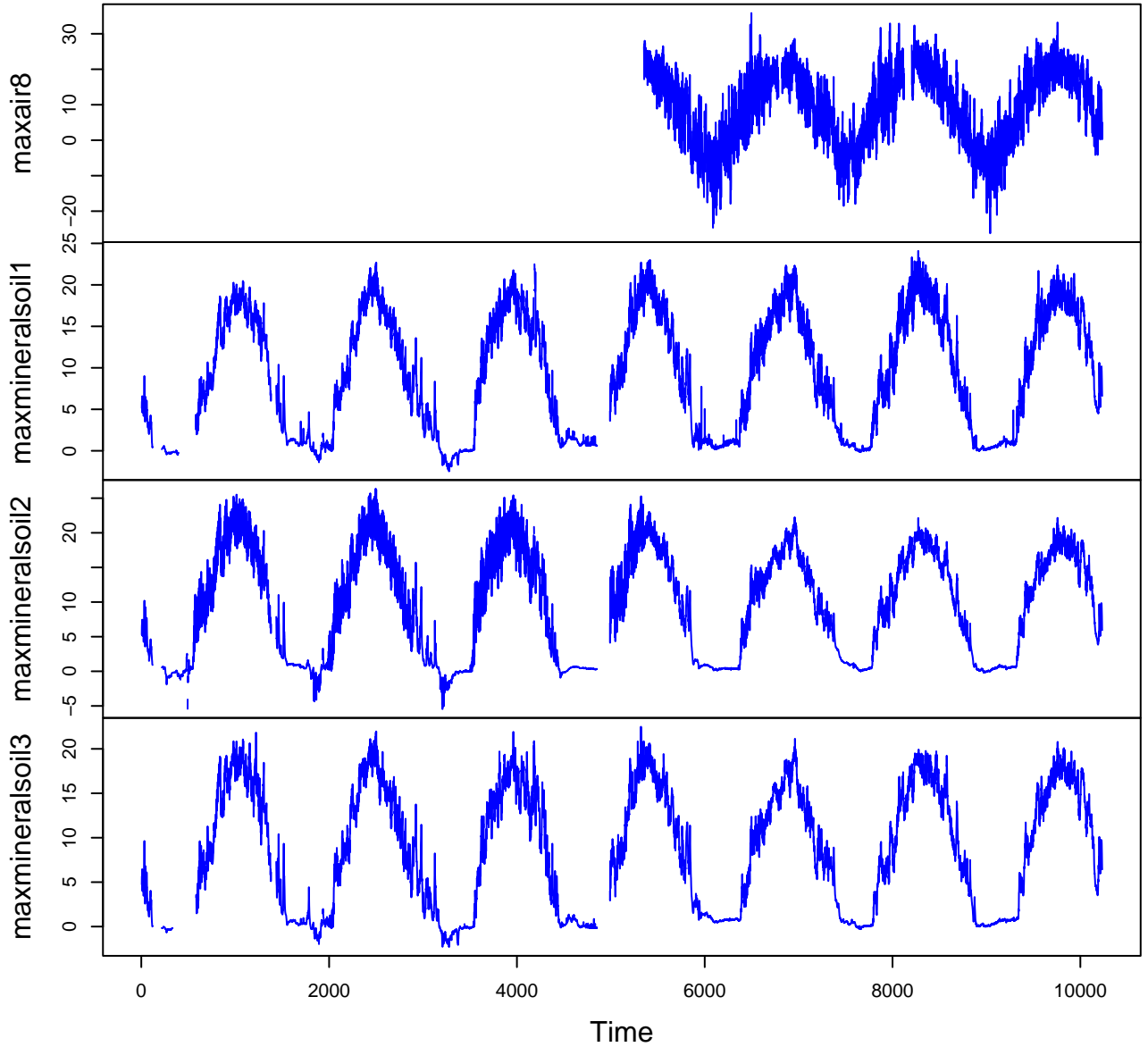
HF108-02 Plot 17



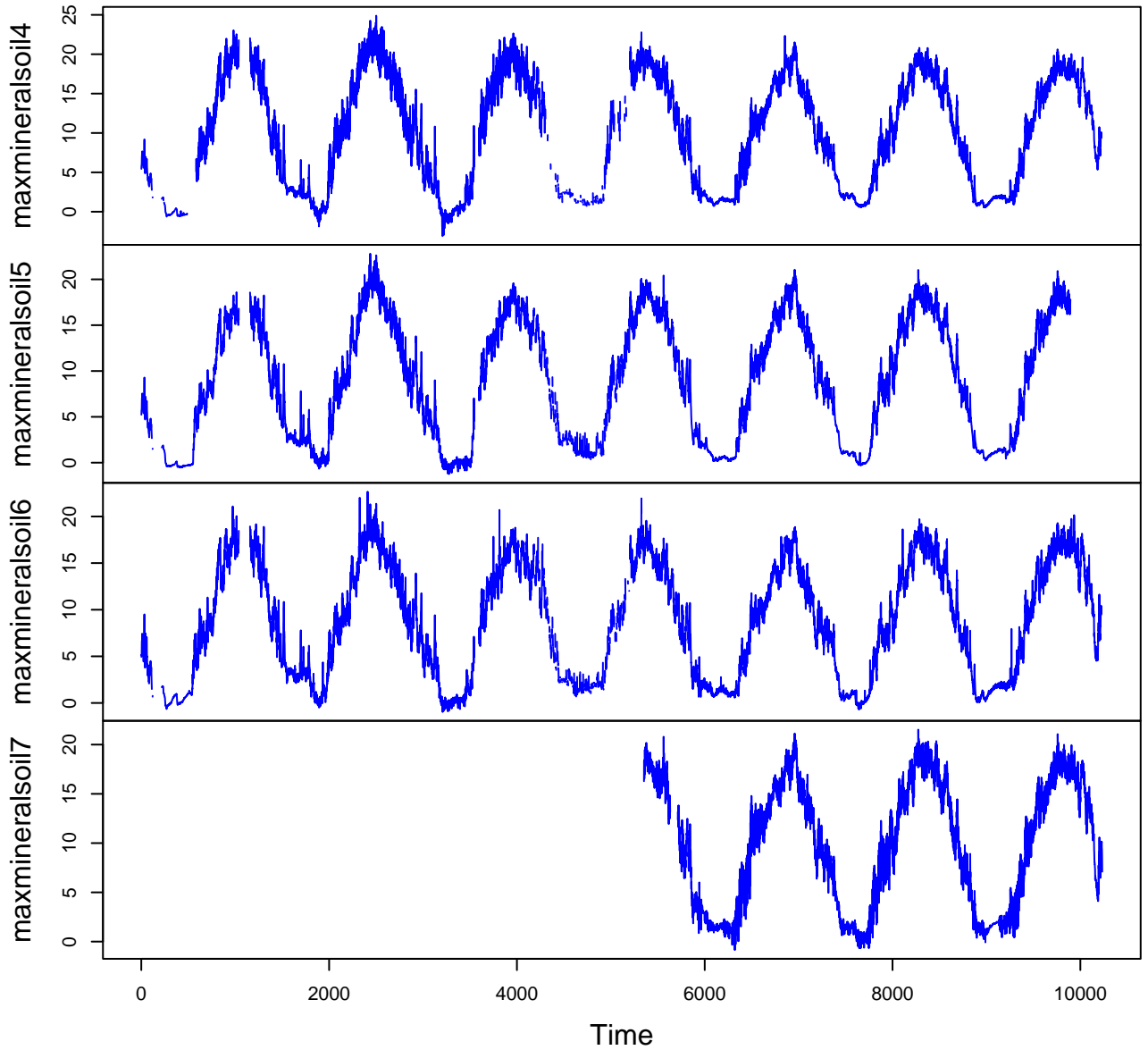
HF108-02 Plot 18



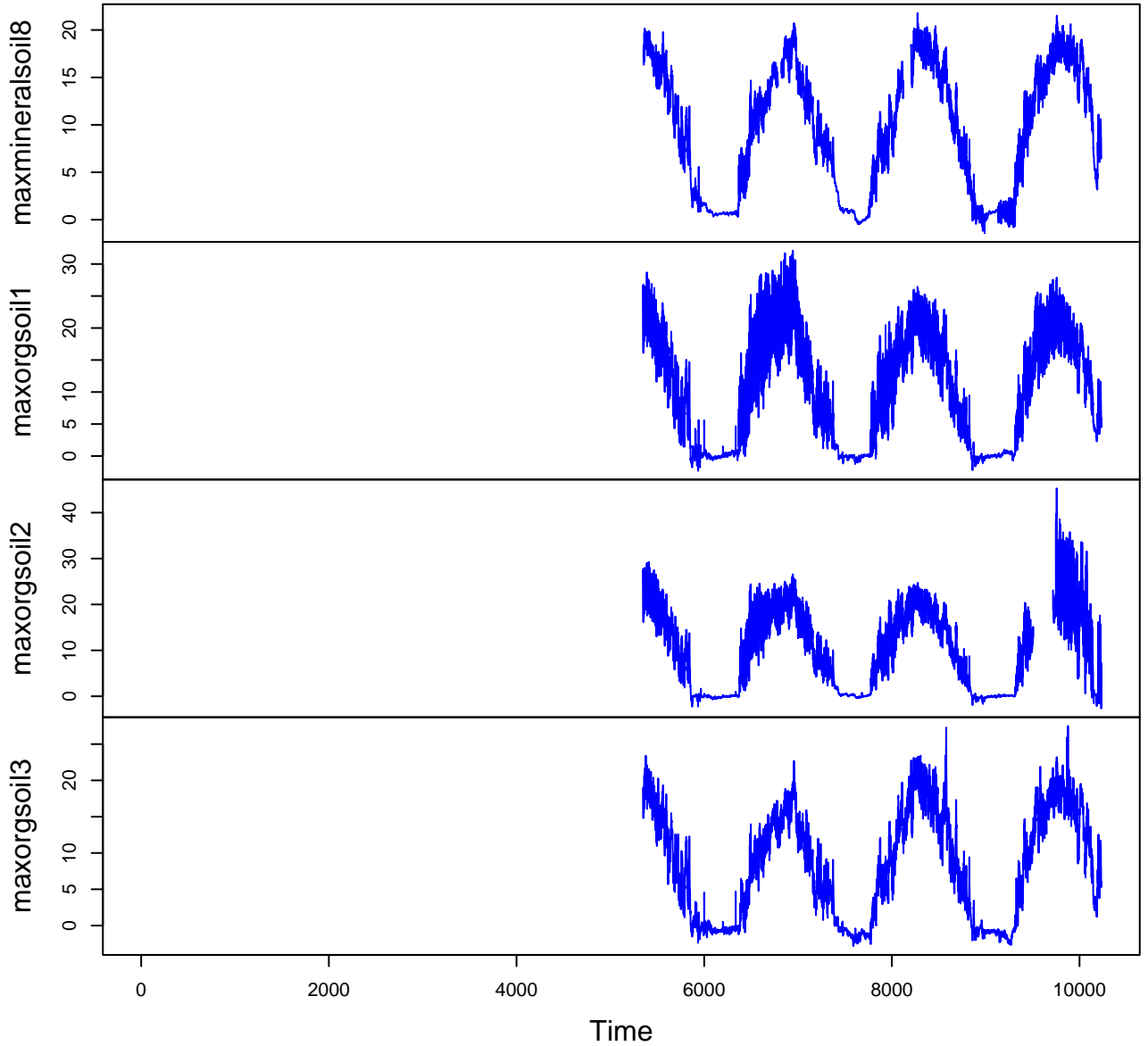
HF108-02 Plot 19



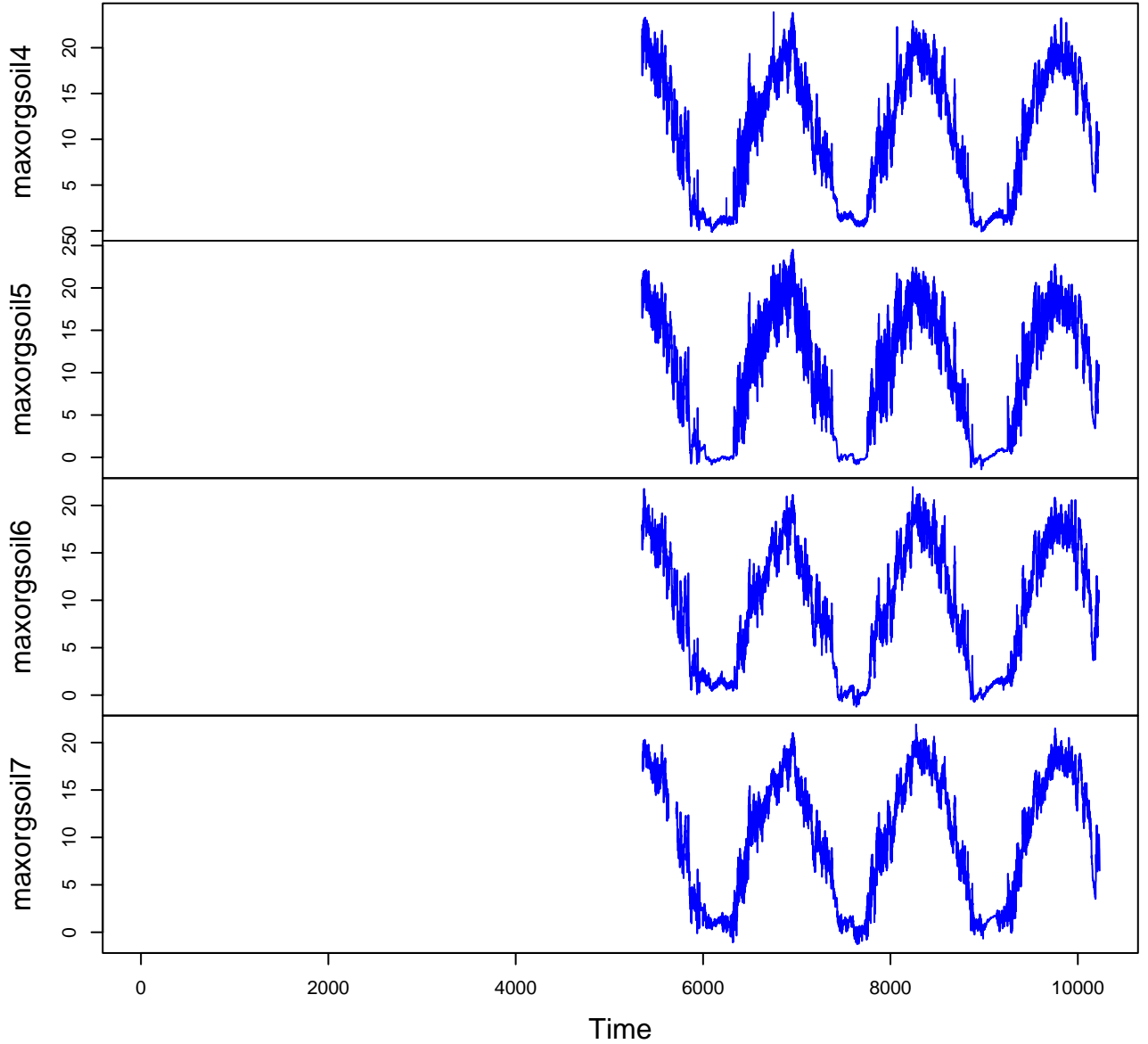
HF108-02 Plot 20



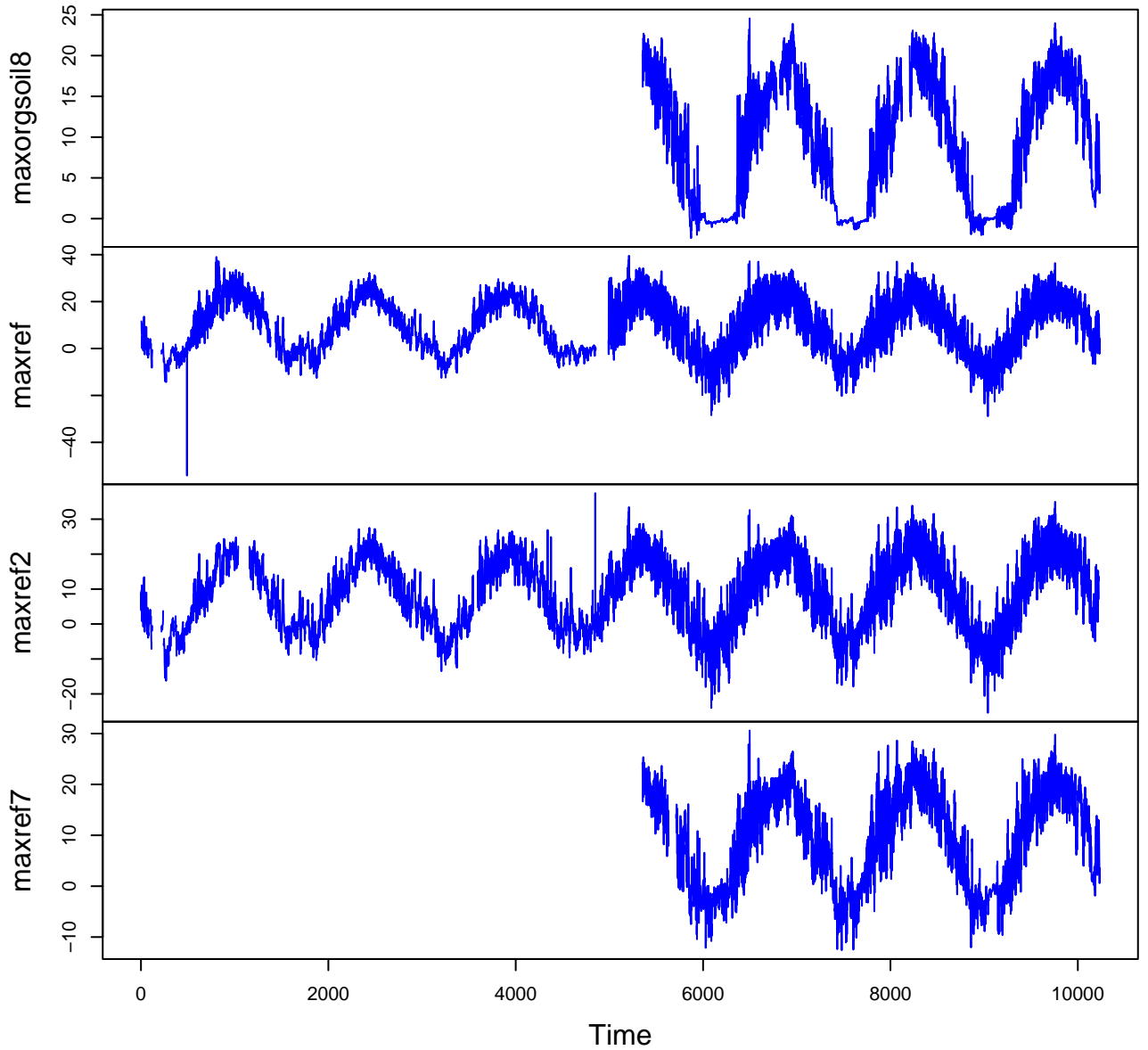
HF108-02 Plot 21



HF108-02 Plot 22



HF108-02 Plot 23



HF108-02 Plot 24

