

Harvard Forest Data Archive HF240-01

Data File:

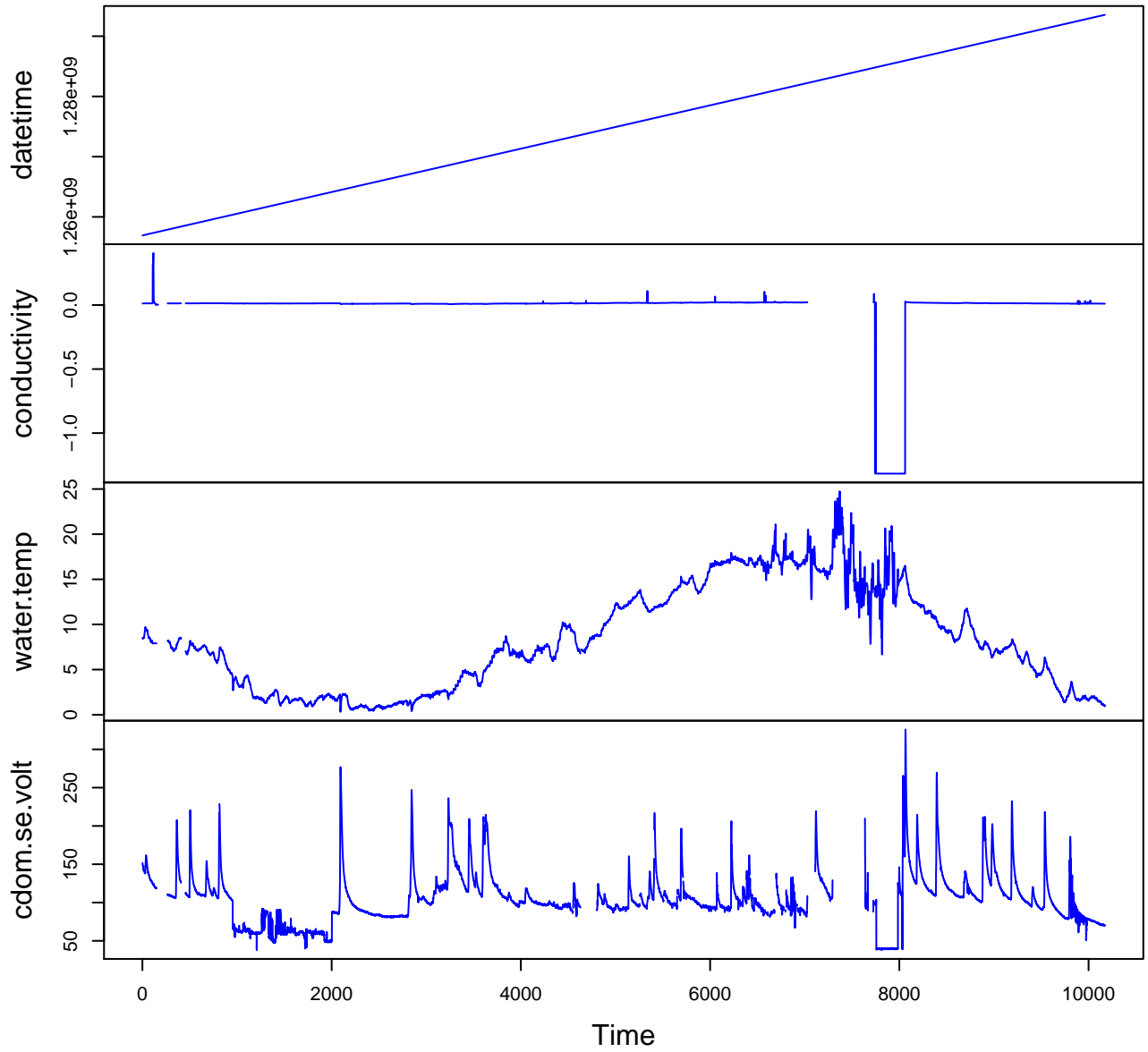
Name = hf240-01-water-chemistry.csv  
Description = water chemistry and well levels  
Rows = 40687 Columns = 13  
MD5 checksum = e3f1ad3583d9827770c786df39bcacbc

Variables:

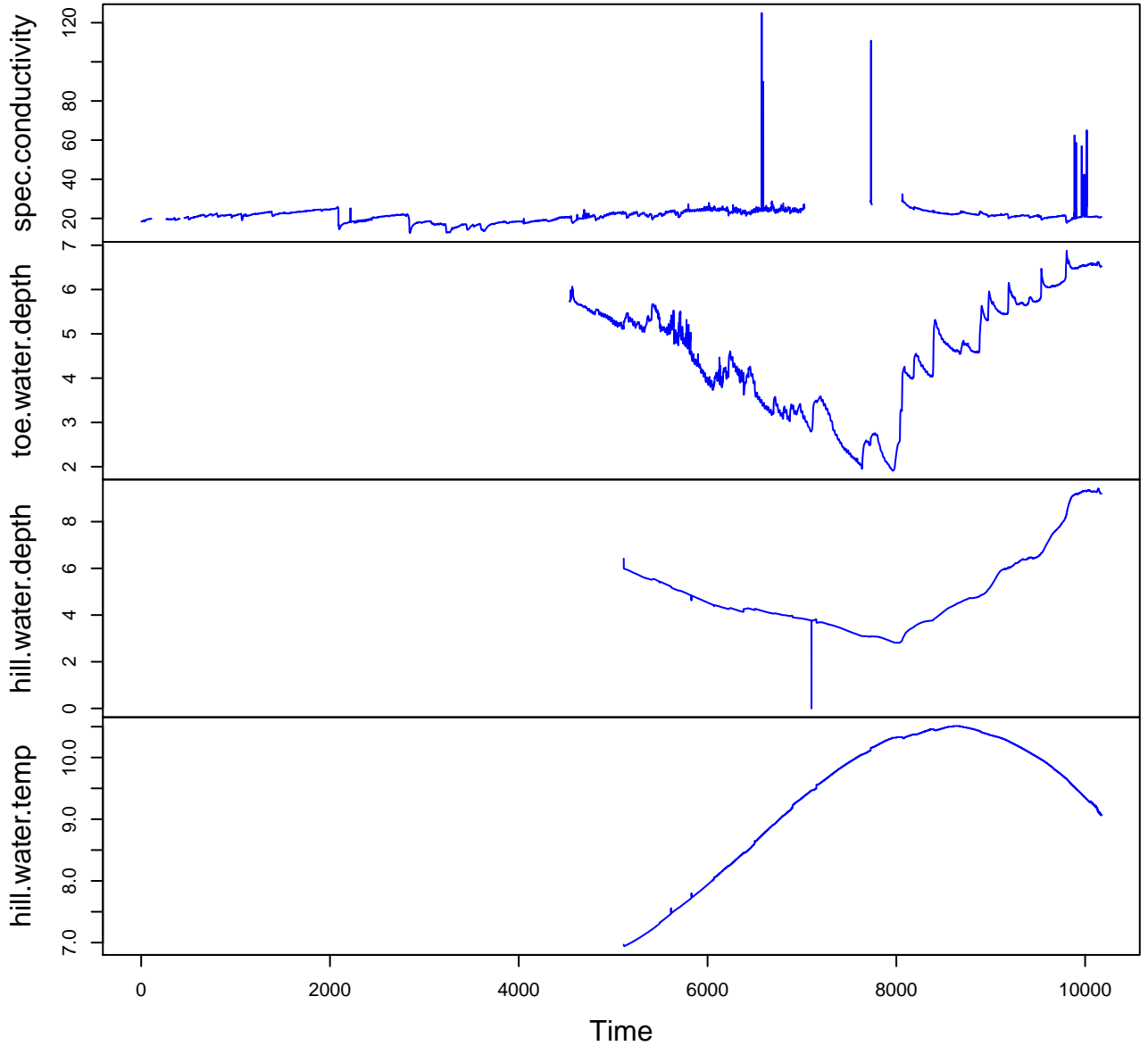
datetime = date and time of collection  
conductivity = conductivity (millisiemensPerCentimeter)  
water.temp = water temperature (celsius)  
cdom.se.volt = fluorescence of colored dissolved organic matter  
measured by Turner  
Cyclops probe. Fluorescence is measured in the  
range of 0-5000mV and calibrated against grab  
samples.  
(millivolt)  
spec.conductivity = conductivity normalized for 25 deg C  
(microSiemen)  
toe.water.depth = water level in toe slope well (foot)  
hill.water.depth = water level in hill slope well (foot)  
hill.water.temp = water temperature in the well (celsius)  
doc = dissolved organic matter measured using Shimadzu TOC analyzer.  
All samples  
were filtered at 0.22um. (milligramsPerLiter)  
tdn = total dissolved nitrogen measured using Shimadzu TOC analyzer.  
All samples  
were filtered at 0.22 um. (milligramsPerLiter)  
no3 = nitrate (microgramsPerLiter)  
nh4 = ammonium (microgramsPerLiter)  
fdom = fluorescence of dissolved organic matter measured by Cary  
Varian Eclipse.  
Samples were excited at 470 nm and their emissions  
at 370 nm recorded and converted to Raman  
units. (waveNumber)

Variable	Min	Median	Mean	Max	NAs
datetime	2009-10-30T13:30		2010-12-28T09:00		0
conductivity	-1.317	0.013	-0.031	0.410	3515
water.temp	0.299	7.433	8.348	24.920	717
cdom.se.volt	37.940	101.400	104.695	326.600	3926
spec.conduct	12.060	21.517	21.261	124.952	5054
toe.water.de	1.909	4.693	4.534	6.882	18199
hill.water.d	0.000	4.412	4.935	9.427	20445
hill.water.t	6.943	9.660	9.302	10.510	20448
doc	1.067	4.630	4.881	16.759	40562
tdn	0.016	0.158	0.170	0.381	40561
no3	0.000	0.022	0.041	0.168	40573
nh4	0.000	0.009	0.013	0.075	40574
fdom	0.136	0.472	0.504	1.673	40580

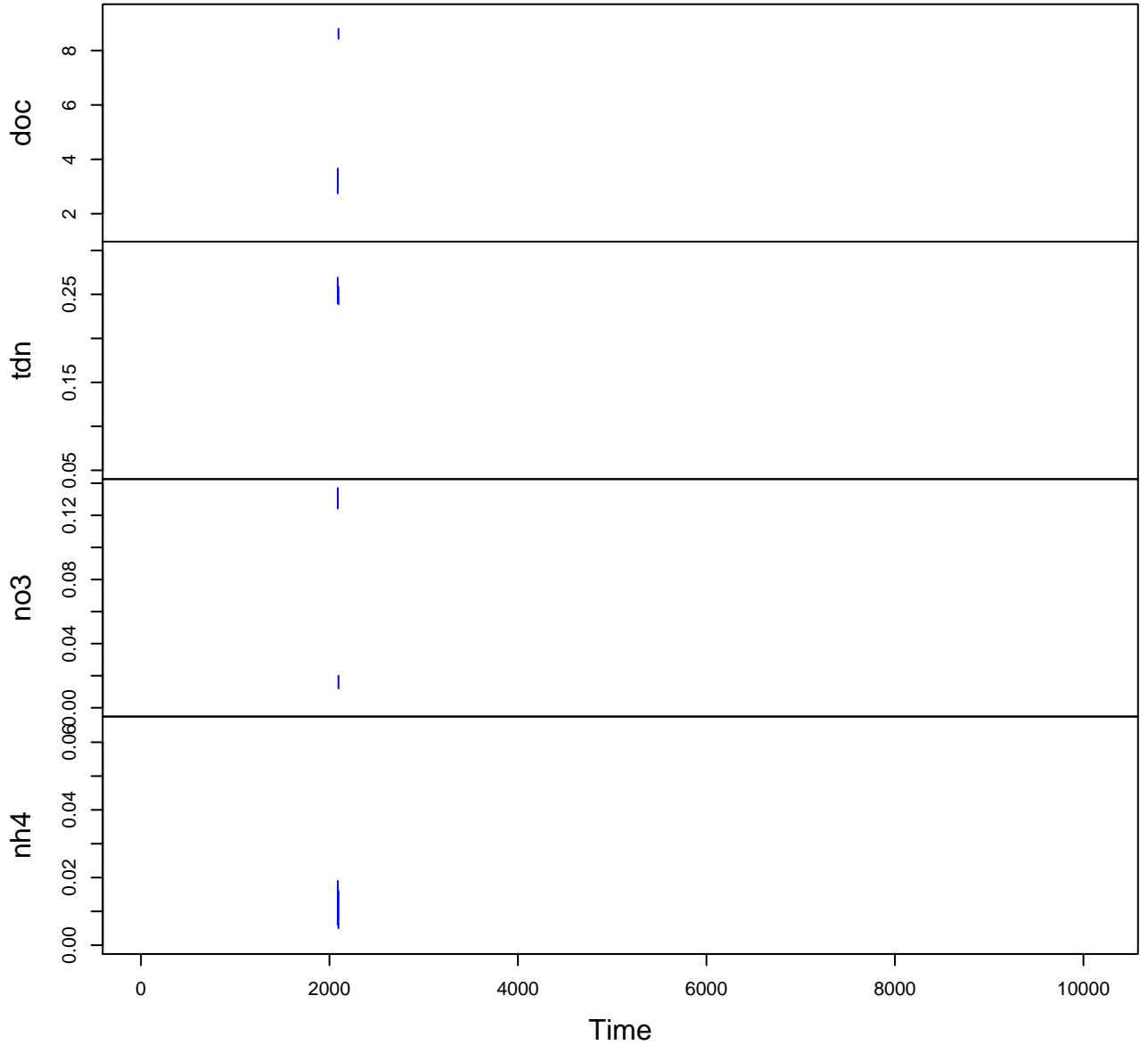
# HF240-01 Plot 1



# HF240-01 Plot 2



# HF240-01 Plot 3



# HF240-01 Plot 4

