
Homework 2:

Normal mode observations, Polarization analysis and component rotation Rebekah Lee Due 2/13/17

Part 1 Normal Mode Observations

```
% *1. Plot the raw time series; use dimension hours on the time axis*

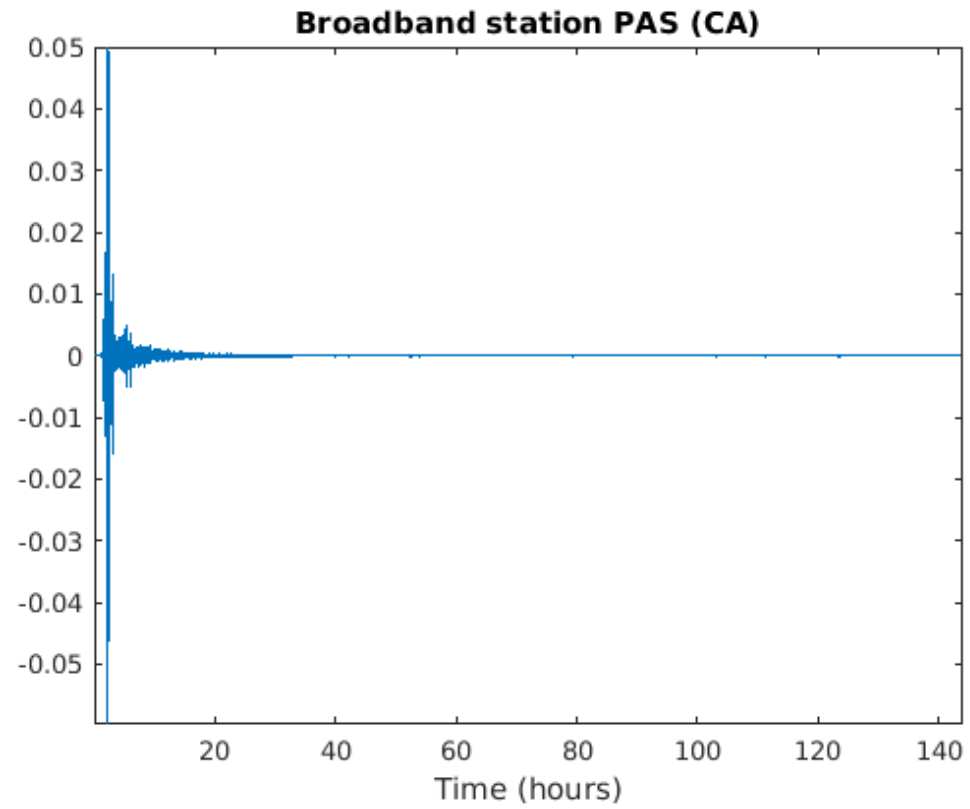
% Load the data
load('sumatra.txt')

% create the time vector
n = length(sumatra);
dt = 10; %seconds
t = 1:dt:n*10; % time in seconds
t = t./3600; %time in hours

% plot the raw data
figure(1);
plot(t,sumatra)

title('Broadband station PAS (CA)')
xlabel('Time (hours)')
axis tight

% *2. Fourier transform the time series and plot amplitude and
    unwrapped
% phase spectra; use dimension mHz on the frequency axis*
```



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