

## Matlab Script readplot.m

```
% file to read data from a delimited file and plot selected data
% bmj 040913

clear all

% input name of file to read
fileinputname=input('Enter name of file to read: ','s');
% open file to read and select data
datain=dlmread(fileinputname);
datasize=size(datain);
sizeofarray=['data array size is ' num2str(datasize(1)) ' rows by ' num2str(datasize(2)) ' columns'];
fprintf(sizeofarray);
fprintf('\n');
t=(1:1:datasize(1))';
maxcolnumerror=['Too large. Enter number equal to or less than ' num2str(datasize(2)) ' or zero to end:'];
% input column number to plot
colnum=input('Enter column number to plot: ');
while colnum>datasize(2);
    colnum=input(maxcolnumerror);
end
while colnum~=0;
d=datain(:,colnum);

figure(1)
grid on
plot(t,d,'g-')
xlabel('Hours from Start')
ylab=['Column ' num2str(colnum)];
ylabel(ylab)

colnum=input('Plot another column? Enter column number or zero to end: ');
while colnum>datasize(2);
    colnum=input(maxcolnumerror);
end
end
```