

Table 1: Rubric for Accelerometer Script

		Expectation	2 pts.
1	Comment	Introduction (help section) comments: include program name, and purpose. Initial group of comments form a logical help file	
2		Steps and Variable ID: all variables and their units are defined in the comments. Comments titles the various logical parts of the code	
3	Code	Interactive File name input (using input command to input file name)	
4		Data file automatically read in (using above filename) and saved to variables	
5		Create t, x,y,z vectors from inputted data matrix	
6		Convert accelerations to m/s^2	
7		Plot of the three accelerations (in m/s^2)	
8	Plot is fully and correctly labeled including: axis labels with units, legend identifying the three curves		
9	Valid.	Execution: Run with 2 test files, including call and graph output.	
10		Spot check 3 or 4 rows (t, x, y and z data)	