

```

runTimes = [105 0 110 183 12 3 158 13 183 184 80 2 12 60 4 3 111 183 22 5 6 0
6 11 173 121 1 6 0 183 9 5 22 183 2 19 183 2 4 183 2 73 14 6 5 0 0 183 1 31
182 96 10 5 26 16 104 0 0 143 22 0 0 1 4 28 183 0 5 45 3 76 0 0 0 40 103 3 13
183 5 0 94 0 0];
noZeroes = [105 110 183 12 3 158 13 183 184 80 2 12 60 4 3 111 183 22 5 6 6
11 173 121 1 6 183 9 5 22 183 2 19 183 2 4 183 2 73 14 6 5 183 1 31 182 96 10
5 26 16 104 143 22 1 4 28 183 5 45 3 76 40 103 3 13 183 5 94];

totalTests = length(runTimes)
longestHold = max(runTimes)
allTestAve = mean(runTimes)
allTestMedian = median(runTimes)

pickUpAve = mean(noZeroes)
pickUpMedian = median(noZeroes)
heldFullTime = 0;
for i = 1:length(noZeroes)
    if noZeroes(i) >= 180
        heldFullTime = heldFullTime + 1;
    end
end
heldFullTime
noHolds = 0;
for i = 1:length(runTimes)
    if runTimes(i) == 0
        noHolds = noHolds + 1;
    end
end
noHolds

fellTowardsSource = 44;
fellAwayFromSource = 2;
fellAnomaly = 11;

x = [1:1:length(runTimes)];

figure(1)
plot(x,runTimes);
ylabel('Length of Hold (seconds)')
xlabel('Test Number')
title('Comparing the Position of Test to Hold Time (only those that held)')

figure(2)
hist(runTimes)
ylabel('Number of Tests')
xlabel('Hold Time (seconds)')
title('Histogram of Hold Times (only those that held)')

```