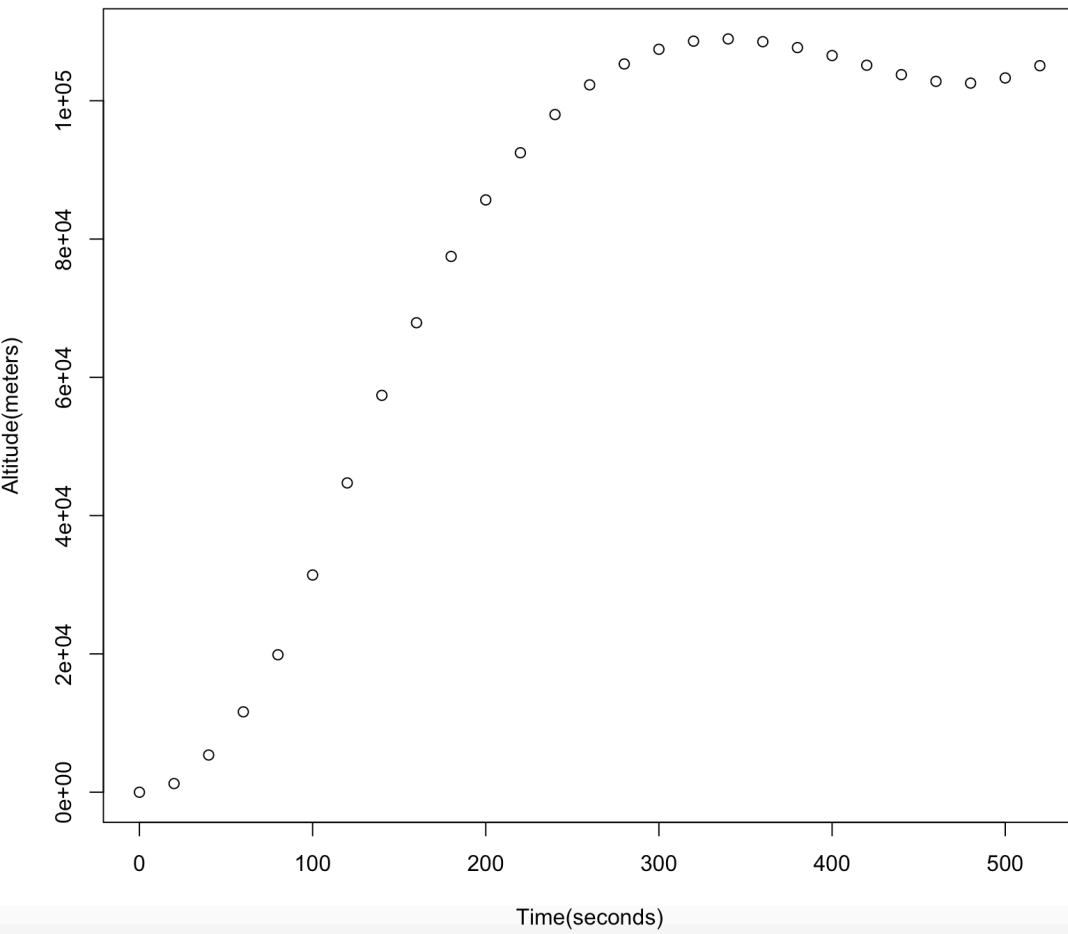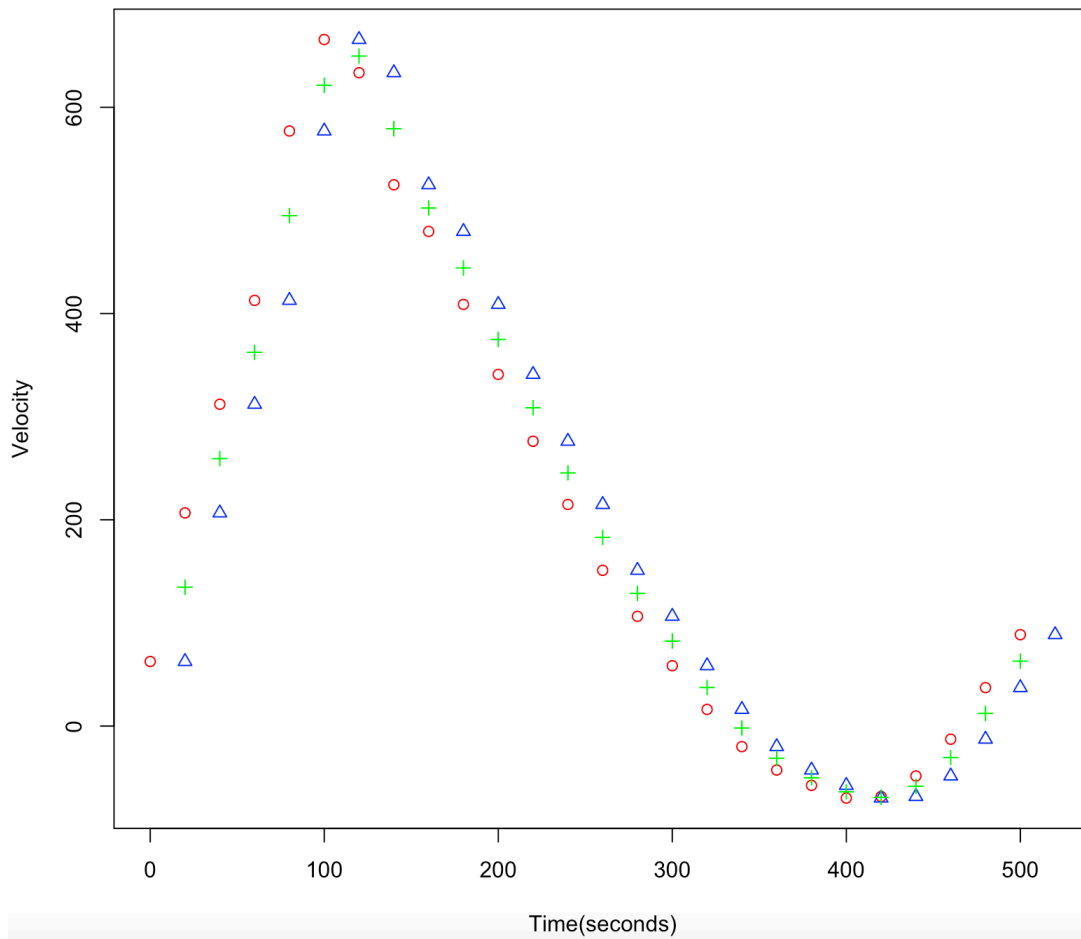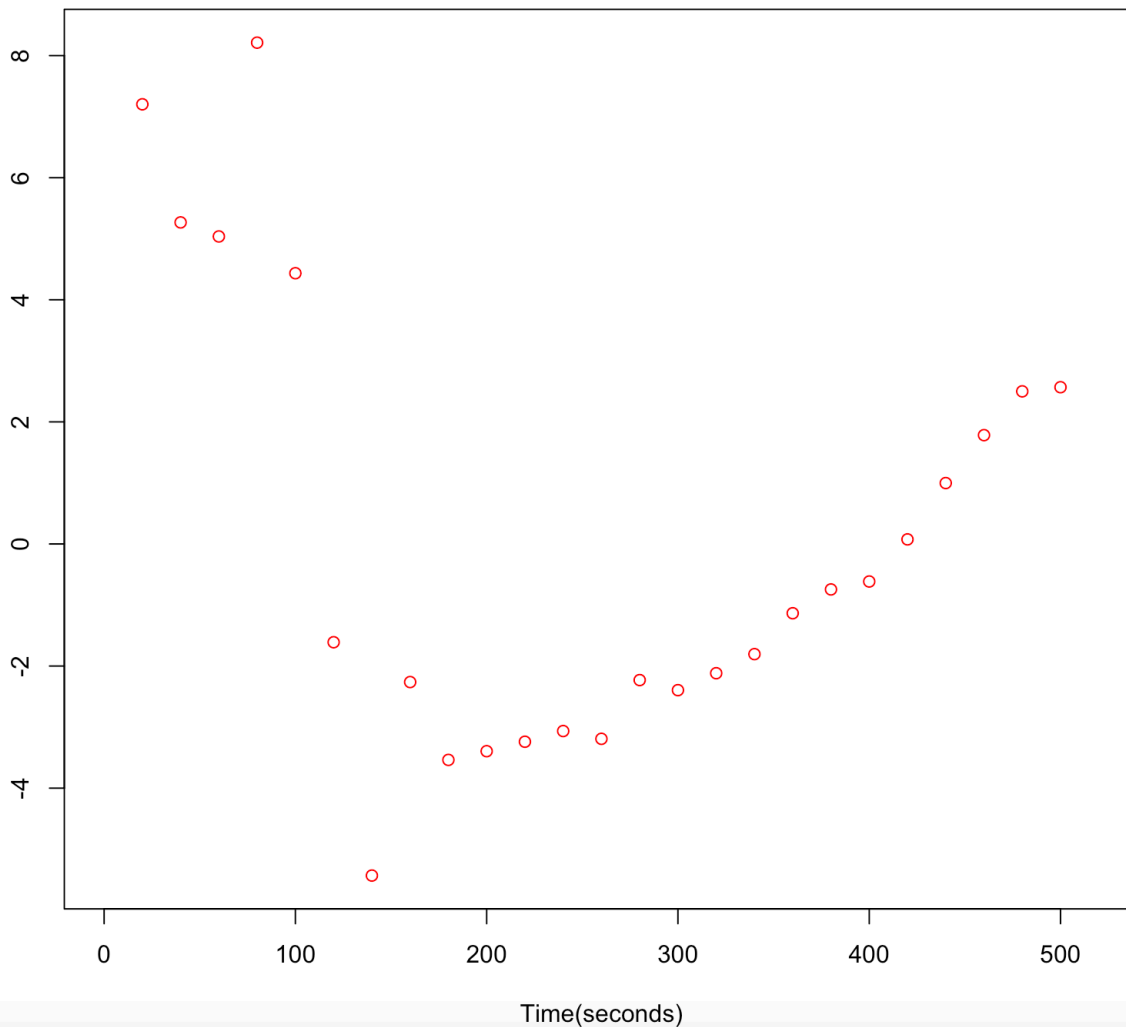## Shuttle STS121 Launch - Plot of Time vs Altitude



## Shuttle STS121 Launch - Plot of Time vs Velocity

**Shuttle STS121 Launch - Plot of Time vs Acceleration**

Time(seconds)

- Why is there only 1 data point at 0 sec?

The one data point located at 0 sec is because the index starts at 0 for forward divided difference and gets calculated with the next number in the index making the final point non existent.

- Why is there only 1 data point at the far right hand side, at 520 sec?

The is also one data point located at the far right because I added an extra index of NA at the front of the vector causing the BDD to print an extra point.