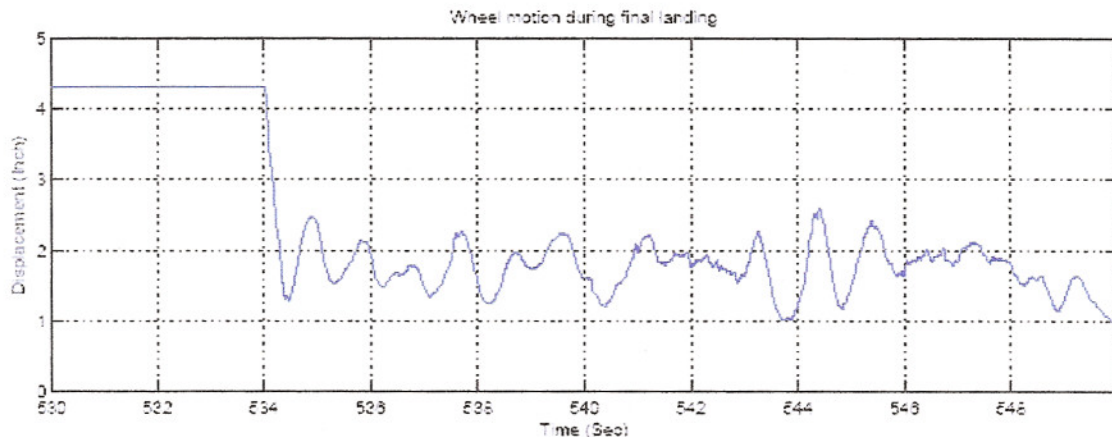


### 4.9.3 Landing Data:



The graph above shows the displacement of the shock strut / fuselage of the stock landing gear. As the aircraft touches down on the main landing gear in a wheel landing, the fuselage begins an oscillation as seen before on the touch and go data. This oscillation continues into the transition of the aircraft from a level wheel landing to a three point condition. The graph of a landing with the altered landing gear is shown below. As discussed before, this landing initially resulted in a light bounce, rather a skip, as can be seen by the large dip in the graph. Once the aircraft settled on the main gear the motion of the fuselage is significantly less than the stock landing gear. Around 722 on the graph the aircraft transitions to a three point attitude, and then slows and transfers the weight of the aircraft to the landing gear from the wings.

