

The plots of the standard aircraft at sea level and the slightly heavier aircraft were virtually the same. These similarities were likely because the change in weight had only a small effect on the smaller of the two components of drag, the induced drag. The increase in parasitic drag coefficient due to landing gear being deployed had a huge effect on increasing drag because it changed the larger of the two pieces. The increase in altitude lowered the parasitic drag and raised the induced drag but had a larger effect on parasitic and parasitic was larger to begin with so the net change was a decrease in drag.



