

There is much more drag in landing configuration, which makes sense because the plane is trying to slow down and land and lots of drag will help the plane lose speed. To relate this to the drag equation, the drag coefficient of the landing config is much higher, resulting in more drag. There is least drag at 7,500 feet because the air density is less which means less drag force than at sea level. To relate this to the drag equation, air density (or  $\rho$  in the equation) is less, resulting in less drag.