To do for simulation

Environnent model :

Use reference gravity at location

Use ref temperature at location

Use Pressure at location?

Check sign of the temperature gradient in the Troposphere

How does is the pressure effected by the different ground temperatures ( atm it works with sea-level stuff) need to fix before report

Look at wind models : https://bovineaerospace.wordpress.com/category/modeling/

Rocket

Figure out best place to compute alpha, Re, Ma etc