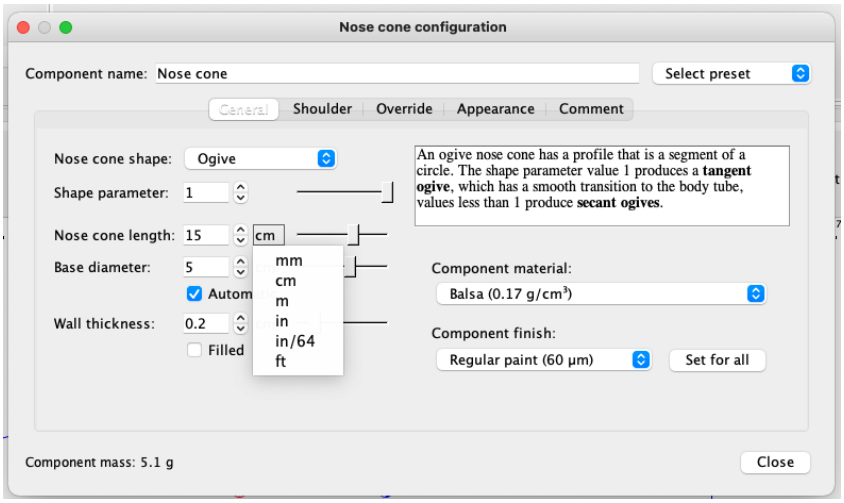
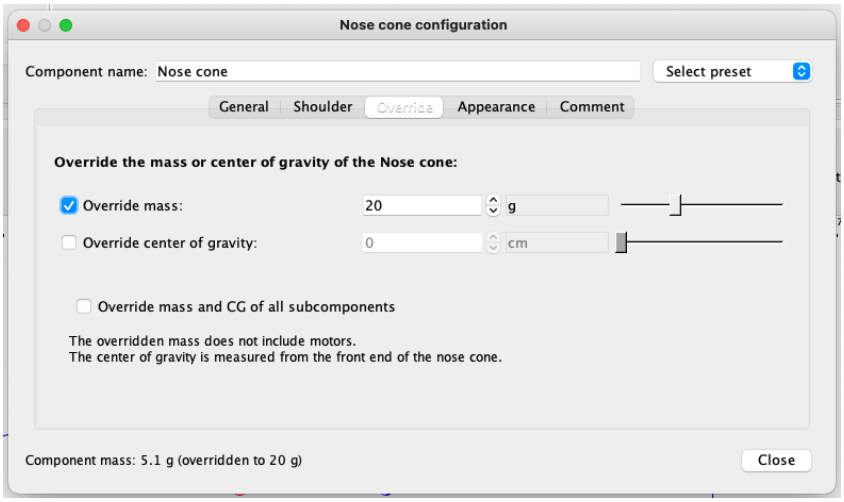
Some Hints for Open Rocket

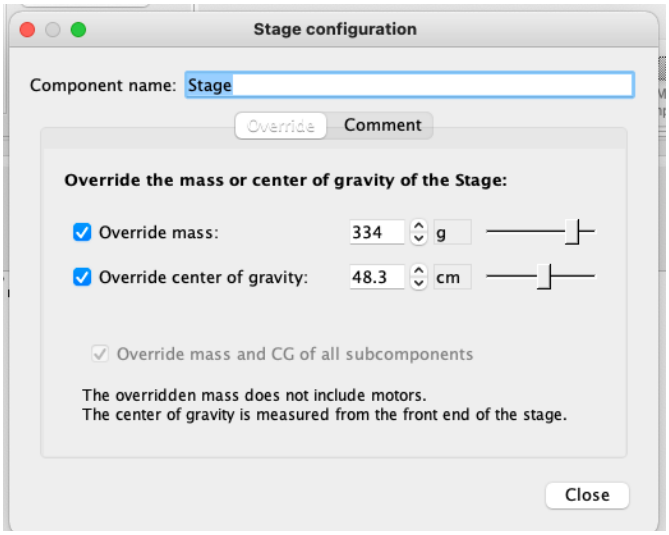
Change Units



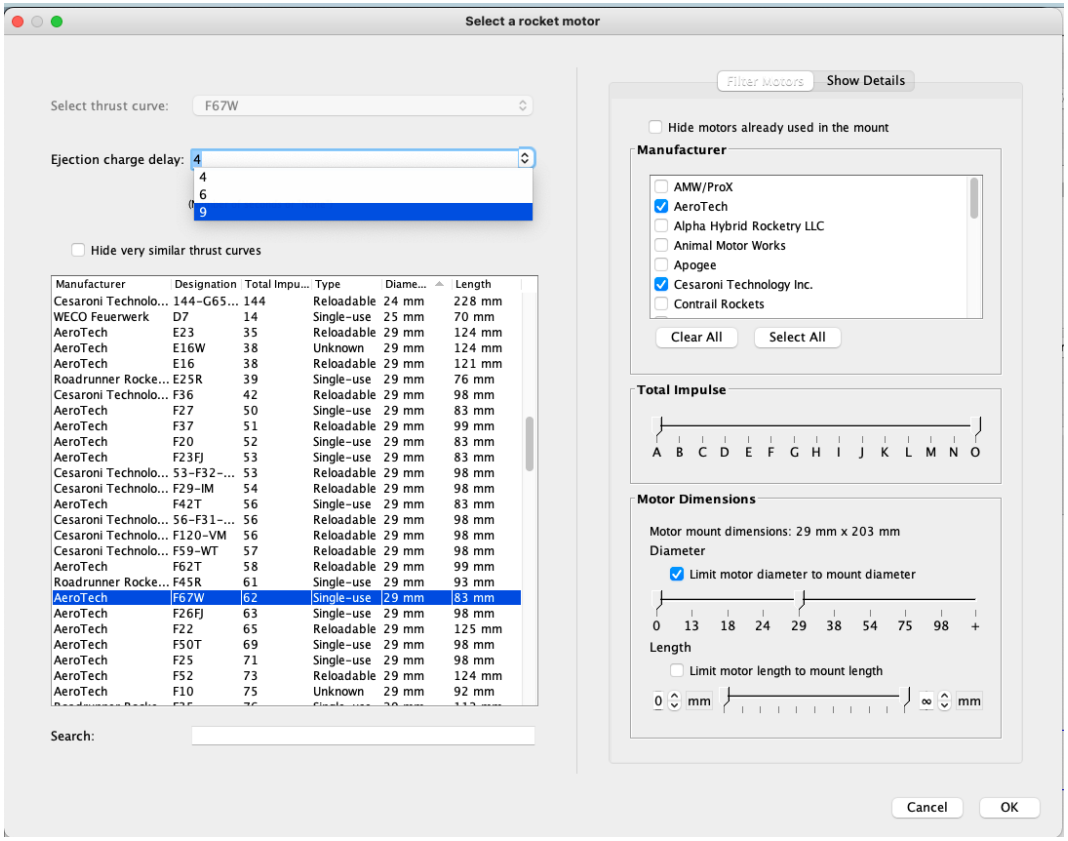
Override mass of a component



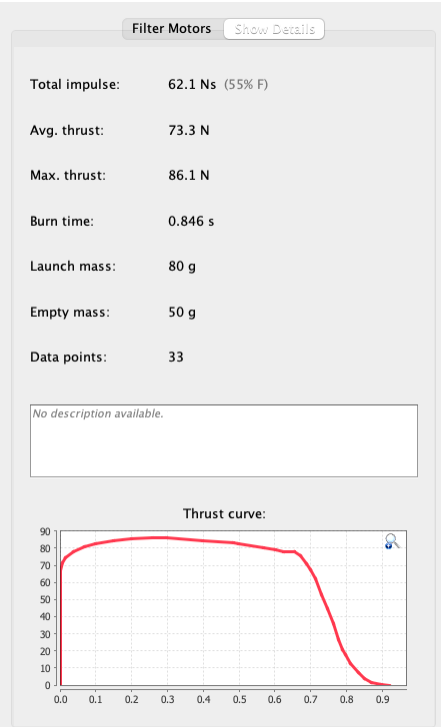
Override mass and CG of entire stage (for after you've assembled and completed your rocket, and measured the mass and CG.



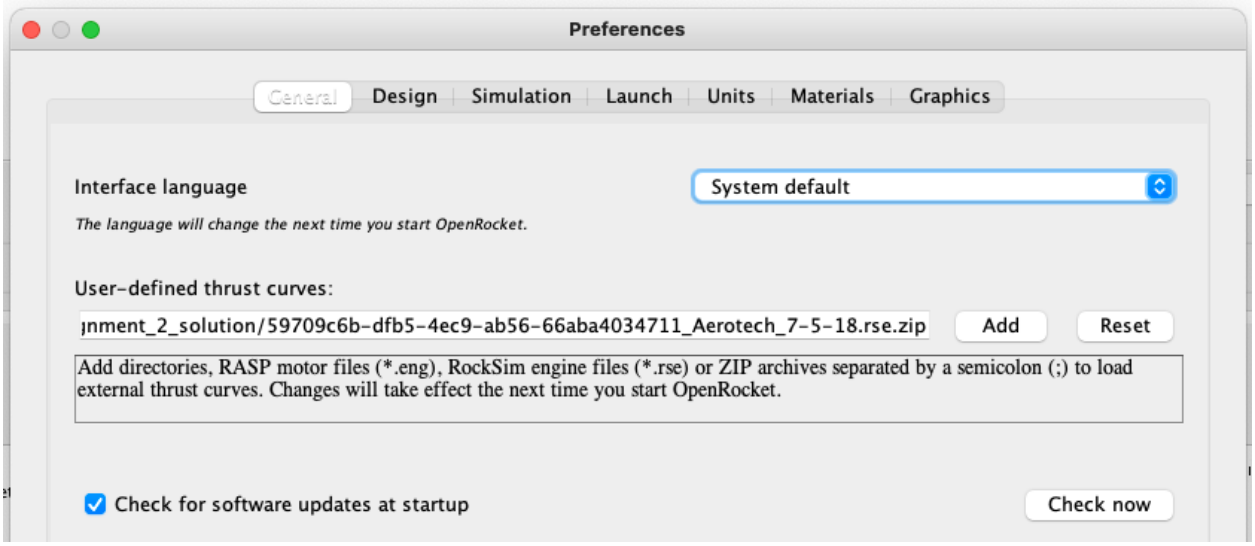
Creating Configuration
->New Configuration
->Select Motor



->Show Details

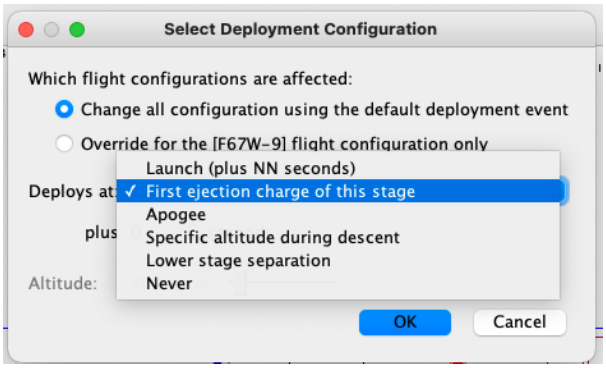


If your desired motor isn't there, go to Preferences/General and follow the instructions in the box. Don't forget you have to quit and restart to have the new motors appear.

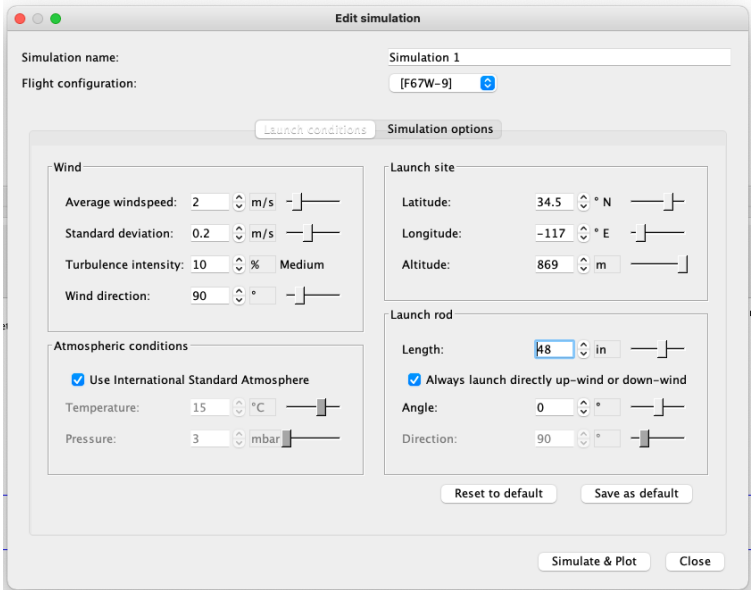


You can find the latest list of AeroTech motors at <http://www.aerotech-rocketry.com/resources.aspx?id=8>.
You can find the latest list of CTI motors at <http://www.pro38.com/RASP/CTI_UpdateDec2015.zip>
You may also want to download individual motors from Thrustcurve.org.

Set type of recovery
In Configurations
->Recovery
Click on Ejection Charge or recovery type (under Parachute)
Select Deployment

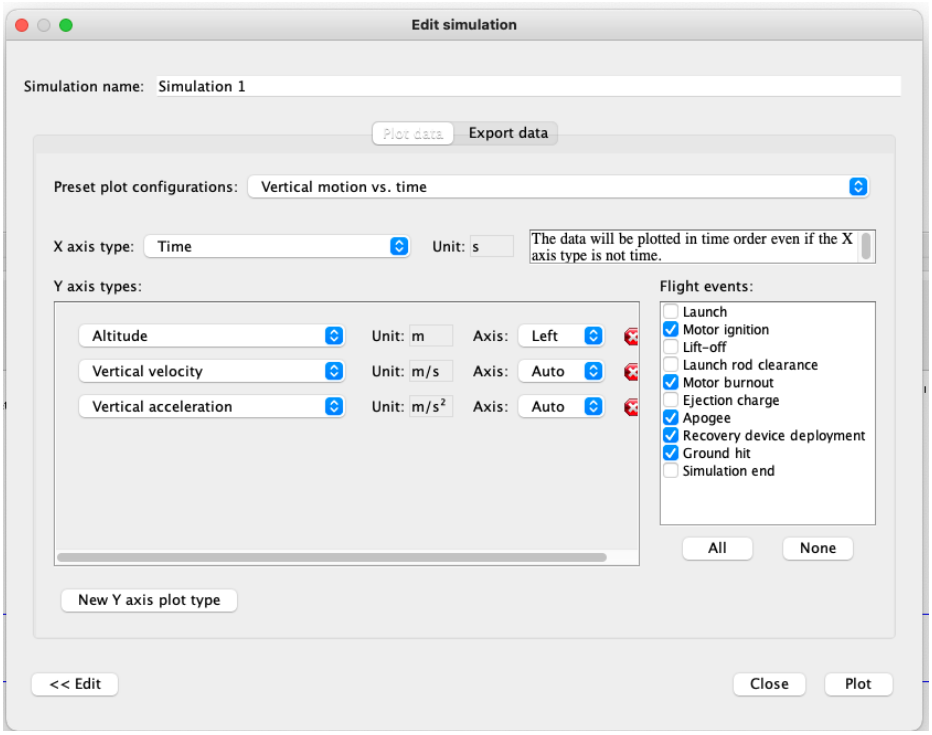


Flight Simulation
->Edit Simulation
If using standard atmosphere and launching from Lucerne Valley

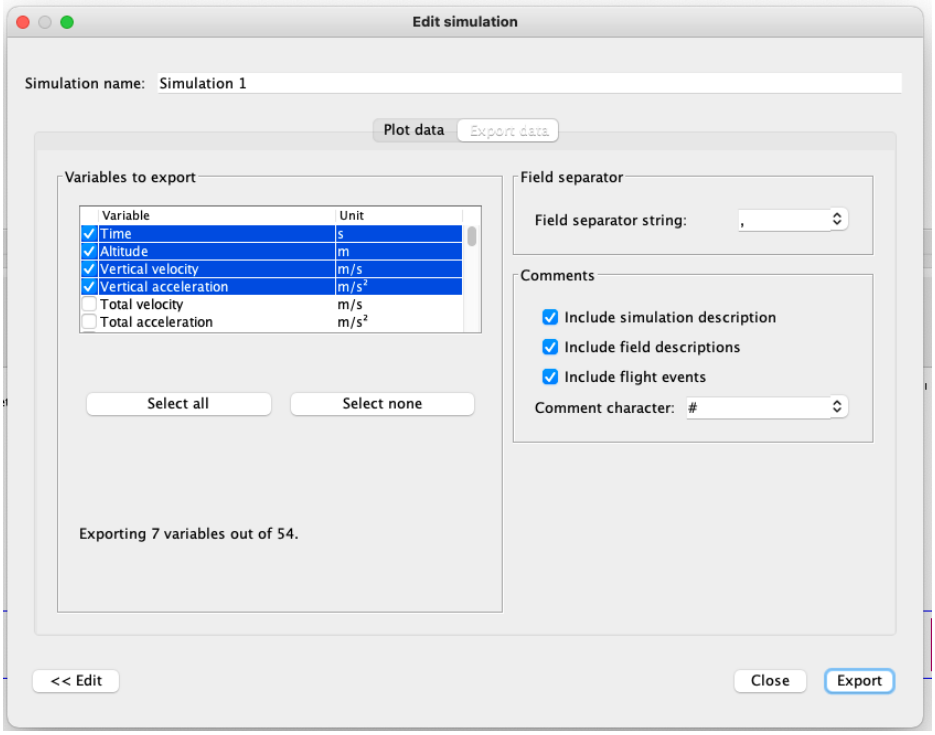


No place to enter relative humidity.
Details on Pressure and Temperature Correction (TBD)

Simulate & Plot.

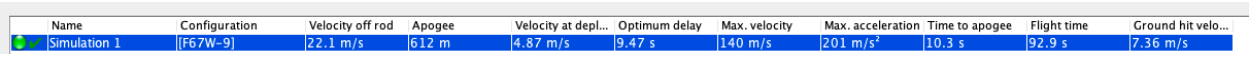


Export Data



You can use Export Data to create plots such as Drag Coefficient vs. Velocity, or C_D vs Mach Number, or Mass and Thrust vs. Time

Results



It's often easiest to start from an manufacturers RockSim file and edit it to meet your measurements.