

Helios Simulation Report

2023-03-05

16:08:11

User required

Launch Details

Initial Yaw	0.0
Initial Pitch	0.0
Mean Wind Speed - North	2.0
Mean Wind Speed - East	2.0
Turbulence Intensity	5.0
Launch Rail Length	5.18

Fin Details

Fin Root Chord	0.3
Fin Tip Chord	0.2
Fin height	0.145
Fin Sweep Length	0.179
Fin Distance from Nostip	2.6

Parachute Details

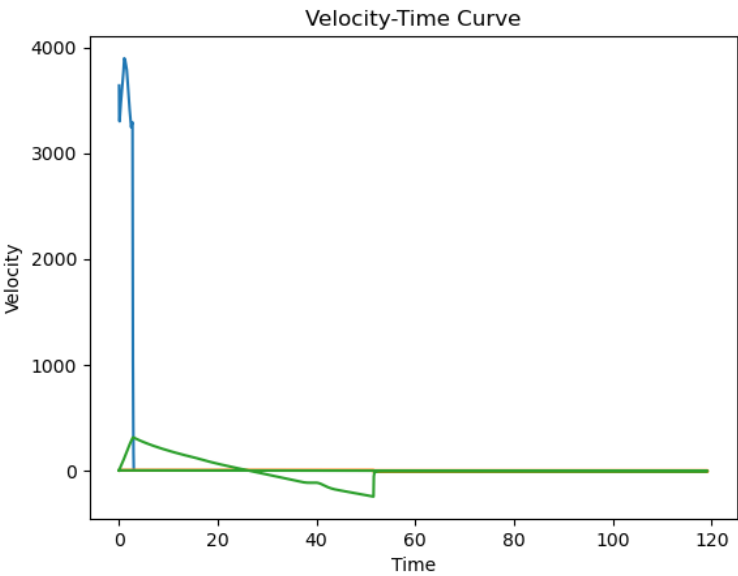
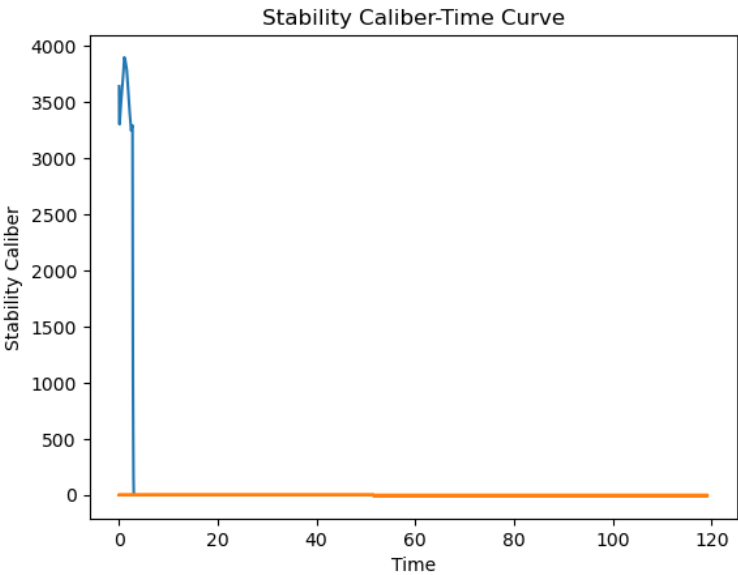
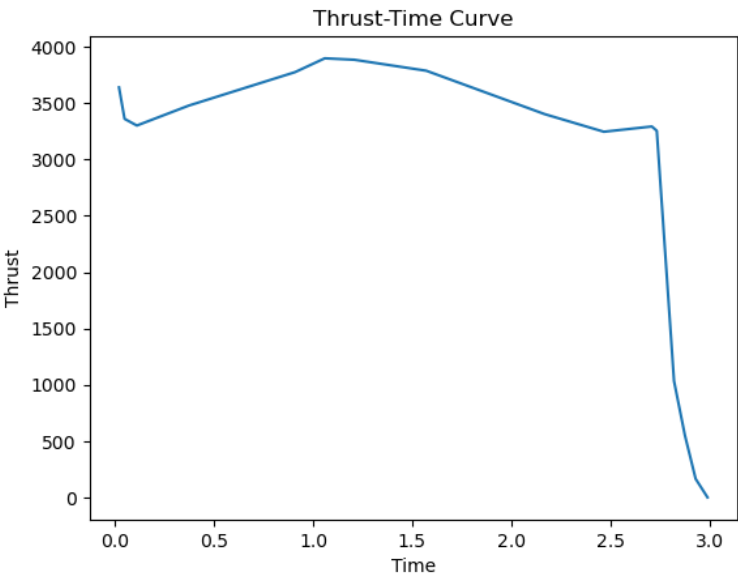
Parachute Diameter	3.0
Reefed Parachute Diameter	0.8
Reefed Height	460.0

Motor Details

Motor Length	0.702
Motor Diameter	0.098
Motor Wet Mass	8.108
Motor Dry Mass	3.656
Nozzle Mass	0.1891

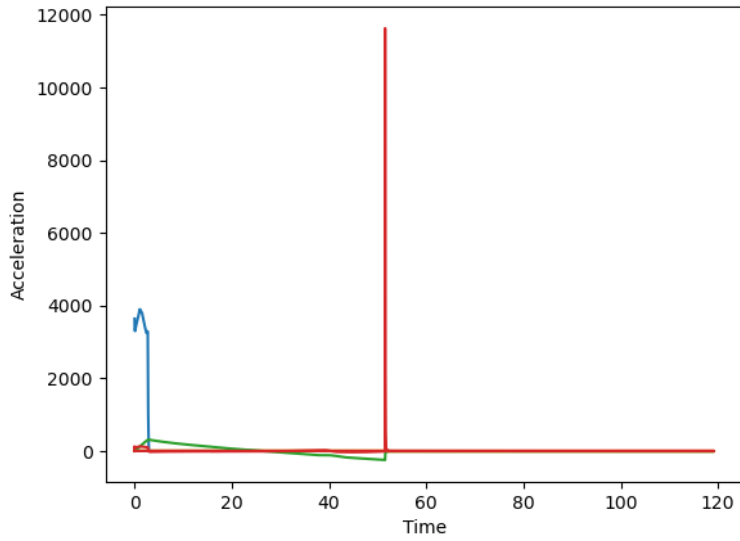
Nozzle Length	0.057
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Results of the Simulation



Flight Simulation Report by Helios

Acceleration-Time Curve



Altitude-Time Curve

