

AIAA OC Section NASA SLI

Team

2/20/2019

Introductions



Brenda C. (Project Manager)

3rd Year NASA SL Participant

Participated in TARC for 2 years

High School Senior

Will major in: Biomedical Engineering

Photo: NASA SL 2017-2018 Season

With Previous Team Captain: Albert



Adelle W (Co-Captain)

First year in Student Launch

Captained TARC Team

High School Junior

Head of Construction Subteam



Ekas C.

First year in Student Launch

Member of the Payload Team

Junior in High School

Four years as a member of TARC

Captain for two years



About Vertical Projectile

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Introduction of Vertical Projectile

Officially AIAA OC
Section Student Launch
Team

3rd Year SL Team



Vertical Projectile From Start to Now



TARC: 2014-2018
NASA SL: 2016-2019



How Did We Get To NASA SLI?

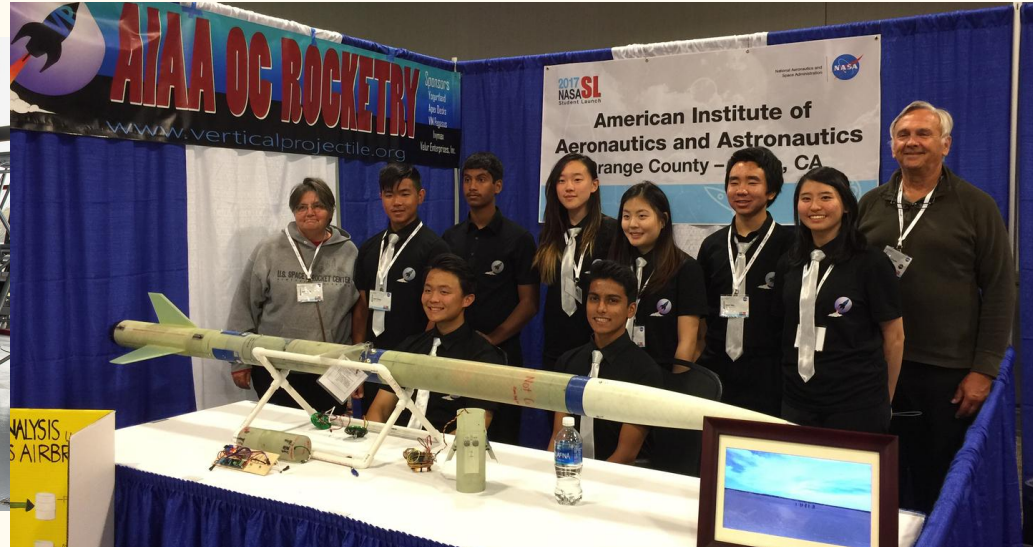
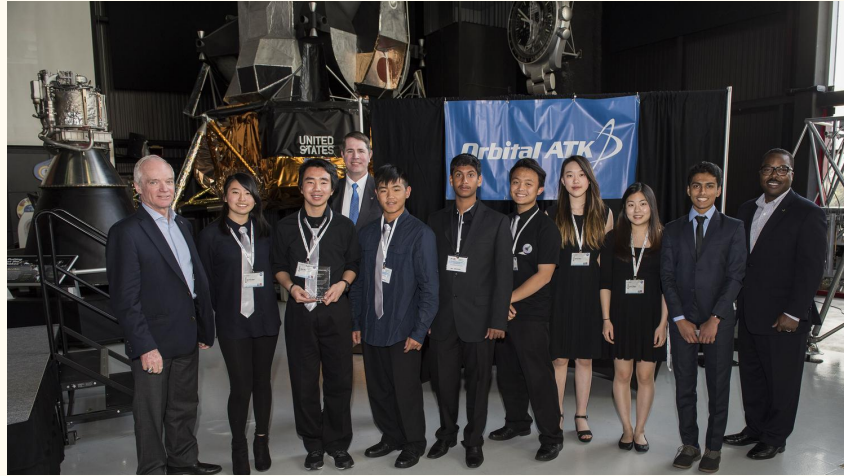


The 2015-2016 winning team of
VP Members in Washington DC
for TARC

So what is Student
Launch Initiative?

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NASA Student Launch Initiative



Pictures from the last two year's team in Huntsville, Alabama

Website: <https://www.nasa.gov/audience/forstudents/studentlaunch/home/index.html>

So what is this TARC that has been mentioned?



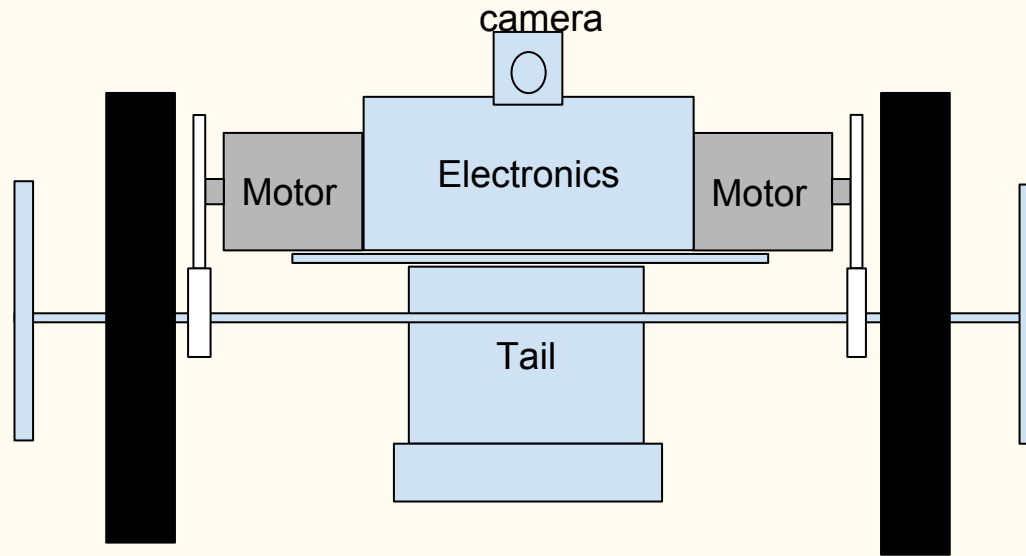
TARC = Team America Rocketry Challenge

Website: <https://rocketcontest.org/>

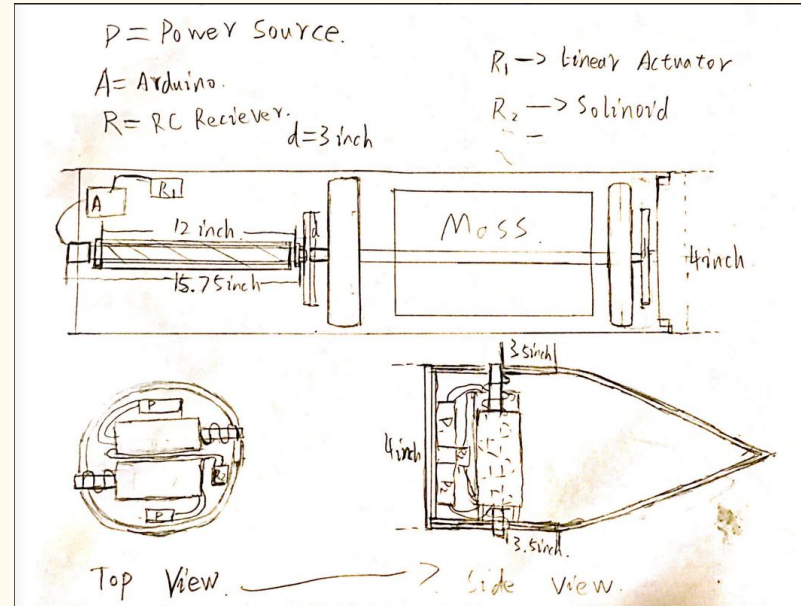
Our Project



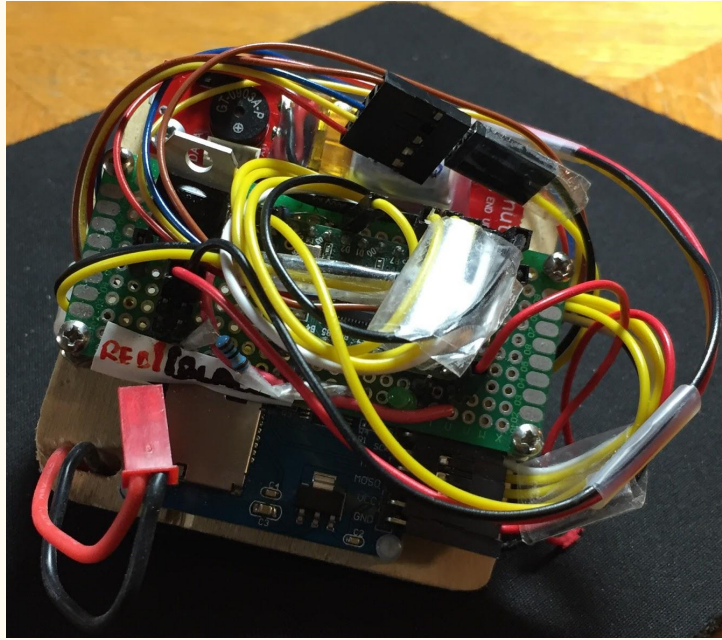
Rover Payload



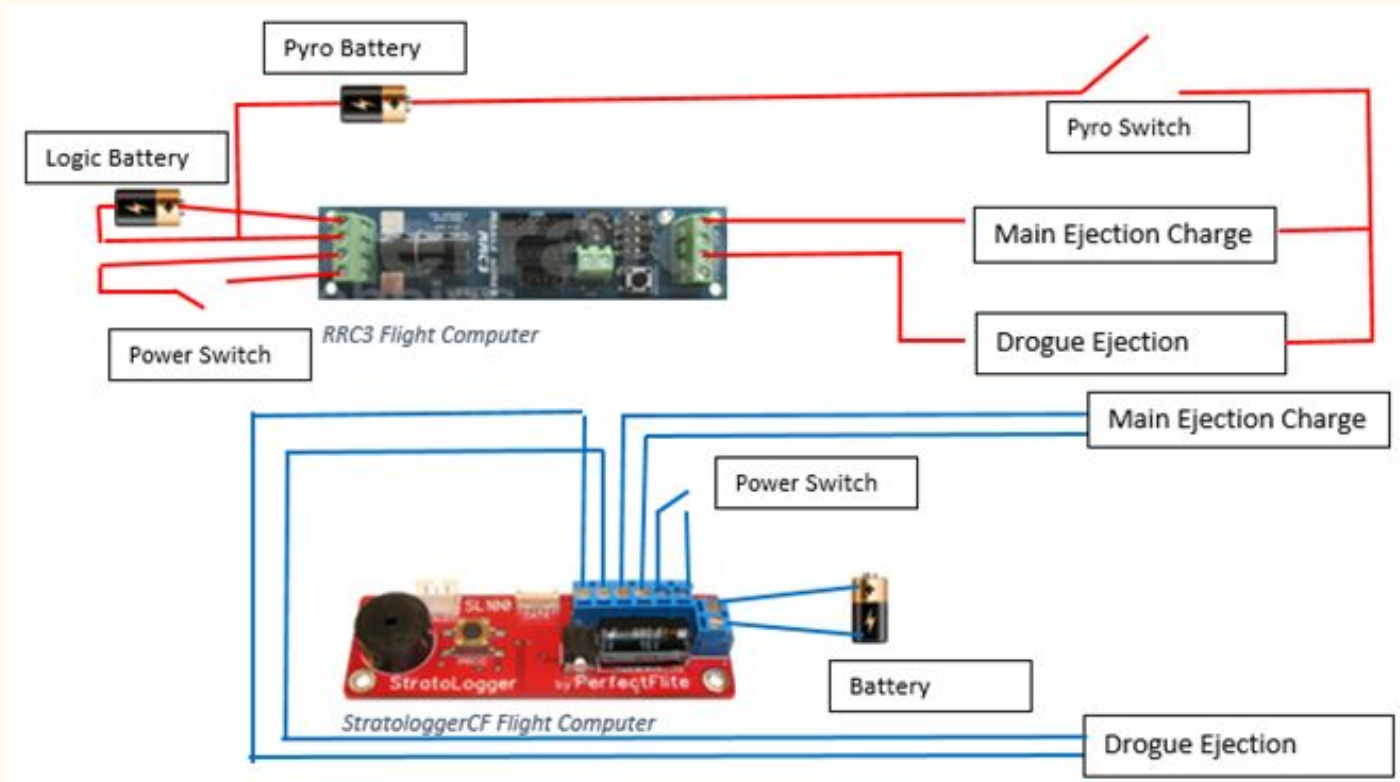
Release Mechanism



Air Brakes



Redundant Dual Deploy System



Energetics Testing Before the Launch



Our Launches



How has NASA SLI
shaped us?

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So what do you get out of this project?

- Teamwork
- Time Management
- Technical Writing
- Design Reviews
- Great Experience with Engineers

Thank you! Questions?

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