

PAST MISSION

FLTA001 DREAM

Firefly's 1st Test Flight

Mission Details

**Mission Name:** DREAM

**Mission Type:** Test Flight

**Customer:** Demonstration Payloads

**Vehicle:** Alpha FLTA001 Rocket

**Launch Date:** September 2, 2021

**Launch Site:** Firefly SLC-2, Vandenberg Space Force Base, CA



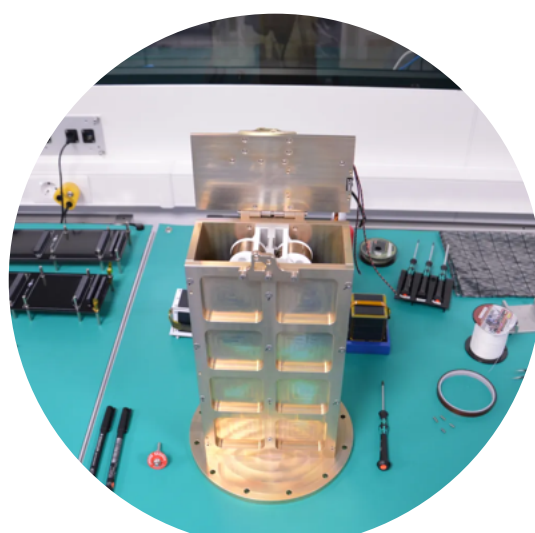
Mission Summary

Our first test flight (FLTA001) on September 2, 2021, marked a major advancement for the Firefly team. Although Alpha did not make it to orbit, Firefly demonstrated its ability to launch rockets and fly more than two minutes to supersonic speed before having to end the mission. Following our investigation, we discovered one of the engines cut out due an electrical short to one of the valves. We were able to fix this minor issue and gain a wealth of flight data that ultimately led to our successful orbital flight (FLTA002) on only our second launch attempt.

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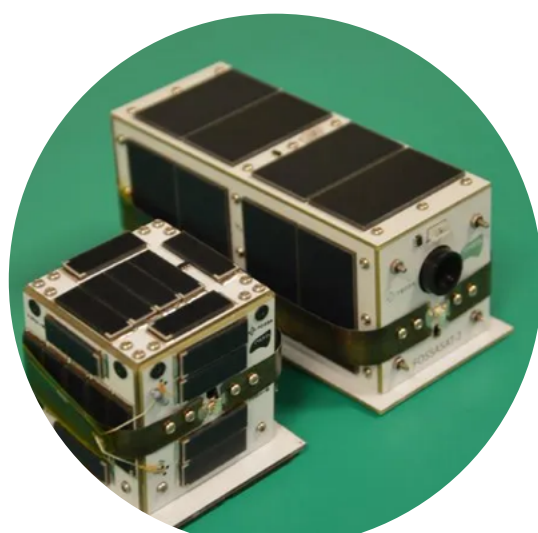
Payloads

As Firefly's first test flight, the Dedicated Research & Education Accelerator Mission (DREAM) allowed educational institutions, startup space entrepreneurs, and other nonprofit organizations to send payloads to space in an effort to inspire younger generations to dream big and pursue STEM education.



PicoBus

Libre Space Foundation



FossaSat-1b/2

FOSSA Systems



GENESIS-L/N

AMSAT-EA



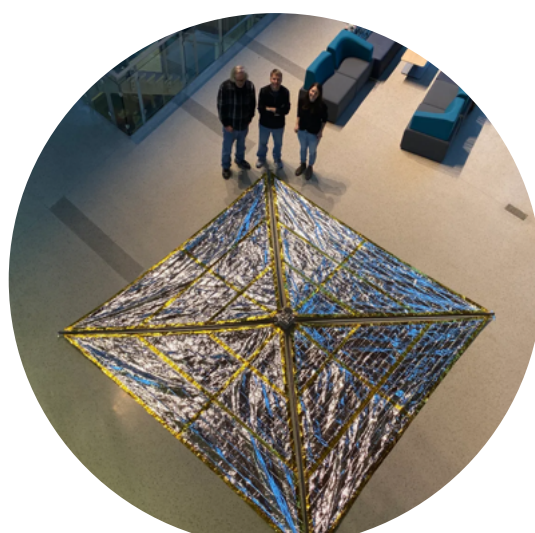
Hiapo

Hawaii Science and  
Technology Museum



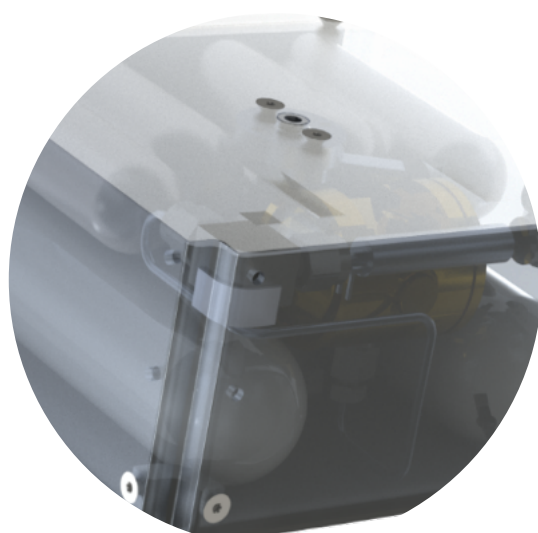
Serenity

Teachers in Space



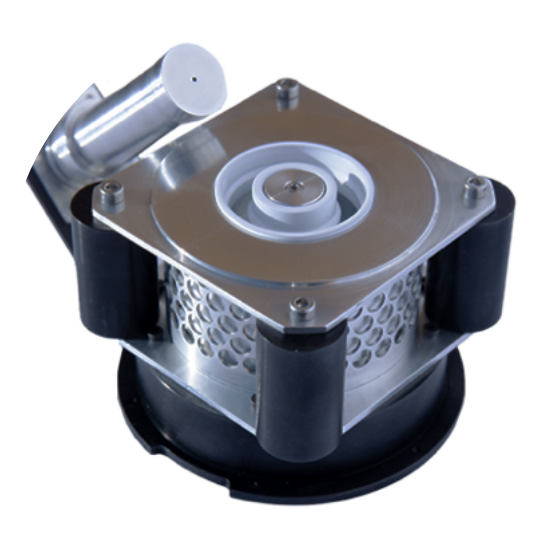
Spinneraker-3

Purdue University



BSS-1

Benchmark Space Systems



Space Utility Vehicle  
(SUV) Hardware

Firefly

ALPHA  
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FIREFLY HEADQUARTERS

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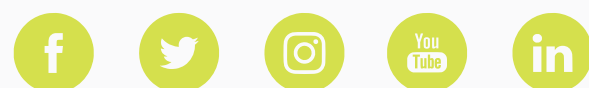
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