

COMPLETED MISSION

## Noise of Summer

NASA VCLS Demo 2

### Mission Details

**Mission Name:** Noise of Summer

**Mission Type:** Venture-Class Launch Services Demonstration

**Customer:** NASA

**Vehicle:** Alpha FLTA005 Rocket

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

**Launch Date:** July 3, 2024

**Liftoff:** 9:04 pm PDT

**Payload:** 8 CubeSats



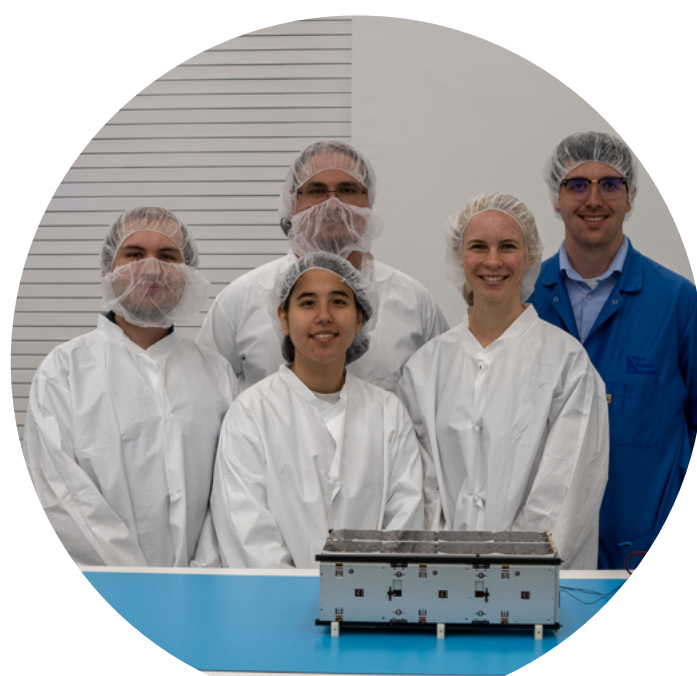
### Mission Summary

Alpha FLTA005, a mission called Noise of Summer, supported Firefly's Venture-Class Launch Services Demo 2 contract with NASA that serves to validate the capabilities of launch vehicles that support a new launch class and provide more access to space for small satellites and spacecraft. Following liftoff at 9:04 p.m. PDT on July 3, 2024, the Firefly team successfully completed orbital insertion, payload deployment, second stage relight, and orbital plane change.

[READ THE PRESS RELEASE](#)

### Payloads

Firefly launched eight CubeSats selected through NASA's [CubeSat Launch Initiative \(CSLI\)](#) that provides satellite developers at U.S. educational institutions and nonprofits with low-cost access to conduct scientific research and technology demonstrations in space. The compliment of CSLI CubeSats on a given flight is referred to as an Educational Launch of Nanosatellites or ELaN. The Alpha FLTA005 Noise of Summer mission deployed NASA ELaN 43 payloads.



**CatSat**

University of Arizona



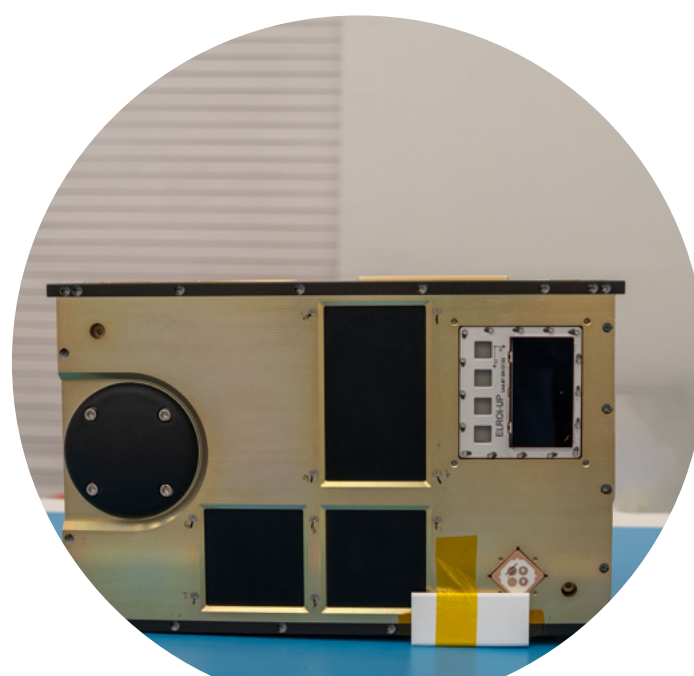
**KUbeSat-1**

University of Kansas



**MESAT1**

University of Maine



**R5-54**

NASA Johnson Space Center



**R5-S2-2.0**

NASA Johnson Space Center



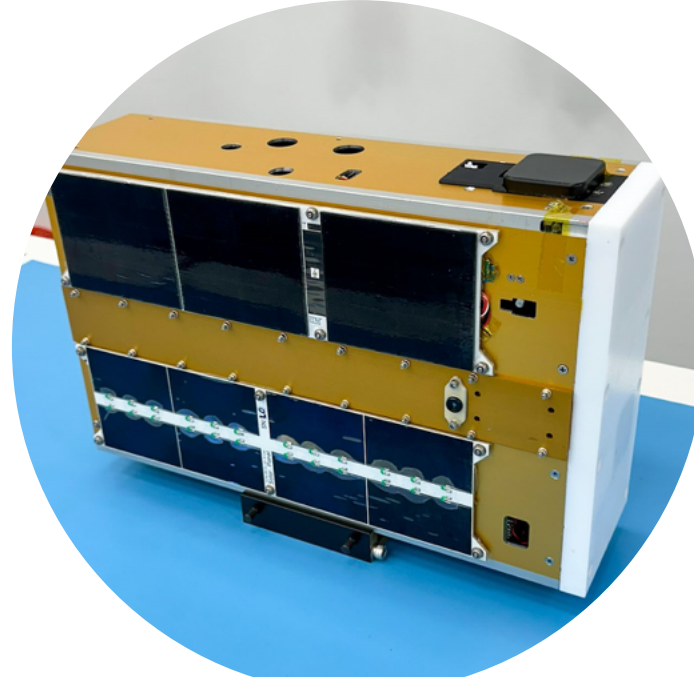
**Serenity**

Teachers in Space



**SOC-i**

University of Washington



**TechEdSat-11 (TES-11)**

NASA Ames Research Center

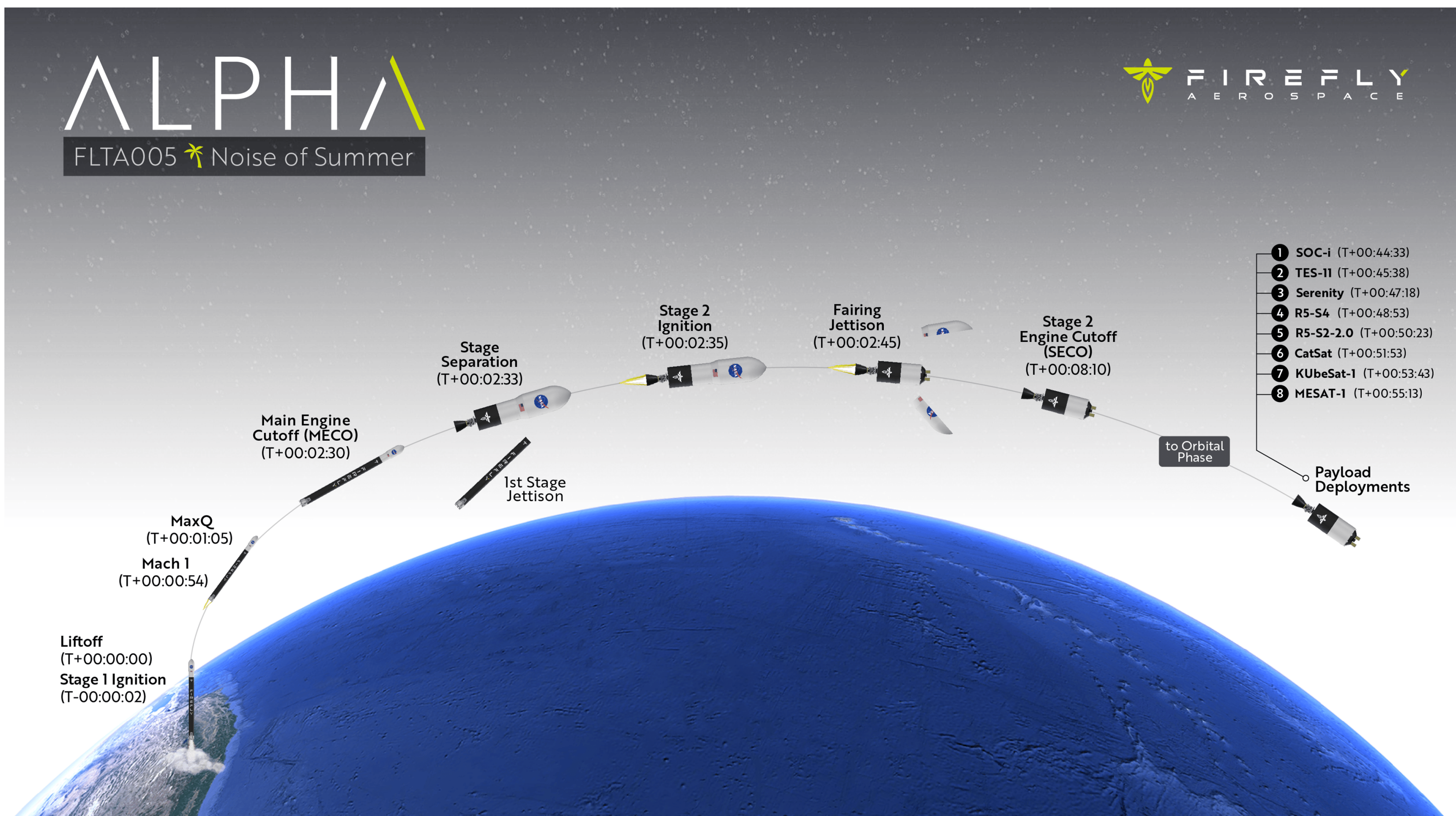
### Launch Operations

As another responsive space demonstration, the Firefly team rapidly executed key launch operations within 24 hours of the first scheduled liftoff. The following graphic shows the approximate start time of these operations.



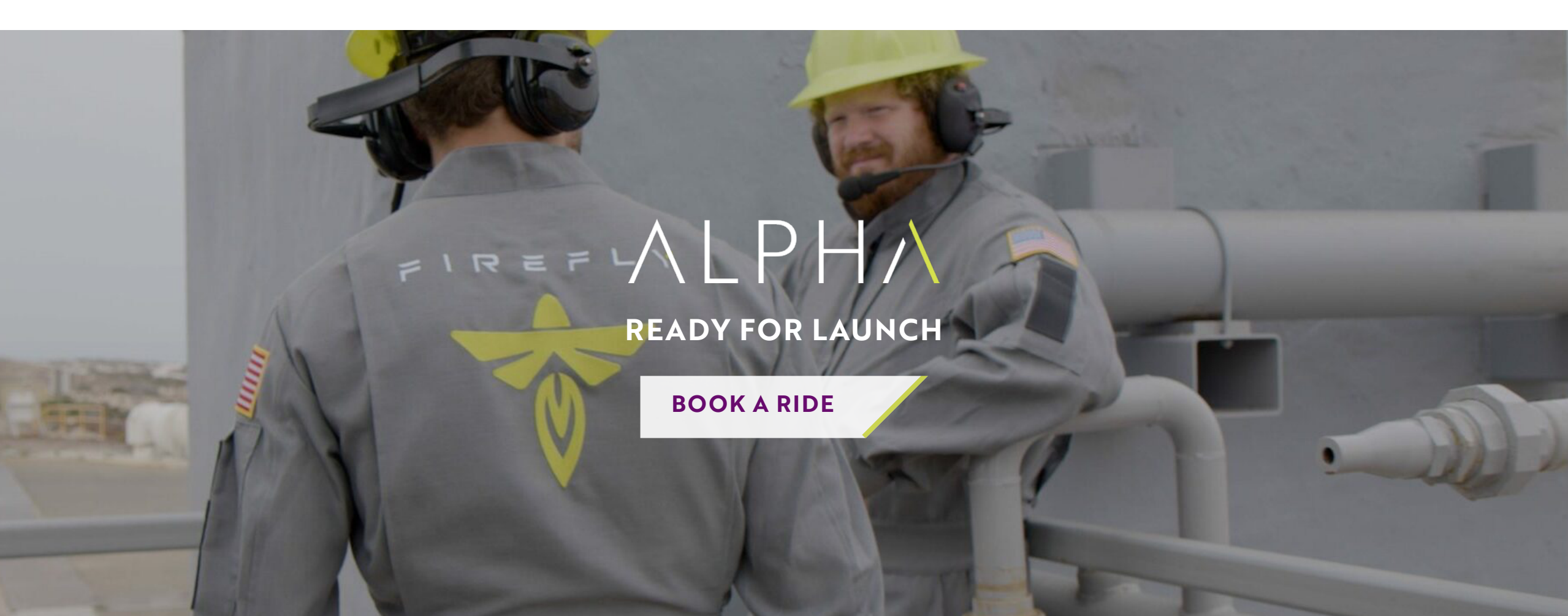
### Launch Timeline

The following graphic shows an approximate timeline (HH:MM:SS) for the key mission milestones after liftoff.



### Livestream

Firefly hosted the Alpha FLTA005 Noise of Summer livestream in collaboration with NASA's Spaceflight.



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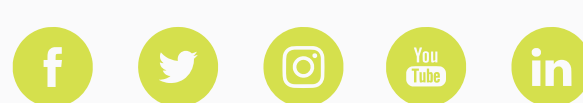
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