



# THE BEAT GOES ON

PRESS KIT | NET 22 MARCH 2023 UTC

Rocket Lab USA, Inc.  
[rocketlabusa.com](https://rocketlabusa.com)



# LAUNCH INFORMATION



## LAUNCH SITE

Launch Complex 1 – Pad B  
Mahia, New Zealand.



## DAILY LAUNCH WINDOW OPENS

| UTC          | NZDT         | PDT          | EDT          |
|--------------|--------------|--------------|--------------|
| 22 Mar 08:45 | 22 Mar 21:45 | 22 Mar 01:45 | 22 Mar 04:45 |
| 23 Mar 08:15 | 23 Mar 21:15 | 23 Mar 01:15 | 23 Mar 04:15 |
| 24 Mar 07:45 | 24 Mar 20:45 | 24 Mar 00:45 | 24 Mar 03:45 |
| 25 Mar 07:15 | 25 Mar 20:15 | 25 Mar 00:15 | 25 Mar 03:15 |
| 26 Mar 07:00 | 26 Mar 20:00 | 26 Mar 00:00 | 26 Mar 03:00 |
| 27 Mar 06:30 | 27 Mar 19:30 | 26 Mar 23:30 | 27 Mar 02:30 |
| 28 Mar 06:00 | 28 Mar 19:00 | 27 Mar 23:00 | 28 Mar 02:00 |
| 29 Mar 05:30 | 29 Mar 18:30 | 28 Mar 22:30 | 29 Mar 01:30 |
| 30 Mar 05:00 | 30 Mar 18:00 | 29 Mar 22:00 | 30 Mar 01:00 |
| 31 Mar 04:45 | 31 Mar 17:45 | 30 Mar 21:45 | 31 Mar 00:45 |



## RECOVERY MISSION

Electron Stage 1 will be recovered by marine vessel after splashdown.



## ORBIT

# 450km

Circular Orbit



## SATELLITES

# 2



## INCLINATION

# 42

Degrees



## CUSTOMER

# BlackSky

Launch services provider Spaceflight, Inc.

# MISSION OVERVIEW

About 'The Beat Goes On'



“The Beat Goes On” mission will be Rocket Lab’s 35th Electron mission and will launch from Rocket Lab Launch Complex 1 (LC-1), Pad B on New Zealand’s Mahia Peninsula.

The launch is a dedicated mission BlackSky through Spaceflight Inc, which is providing the integration and mission management services for BlackSky. The launch marks the sixth and final launch of a multi-launch agreement signed in 2021 between BlackSky, Spaceflight Inc., and Rocket Lab, which will culminate with a total of 11 satellites to orbit by Electron – the most of any by a single launch provider.

For this mission, Rocket Lab will carry two BlackSky Gen-2 Earth-imaging satellites to BlackSky’s low Earth orbit constellation, bringing the number of satellites in the constellations to 16.

The two additional high resolution, multi-spectral Gen-2 satellites will expand BlackSky’s network in space and offering of real-time geospatial intelligence and monitoring services. BlackSky’s proprietary constellation has one of the highest hourly revisit rates in the world, providing customers with persistent monitoring and change detection over areas of economic activity across the globe.

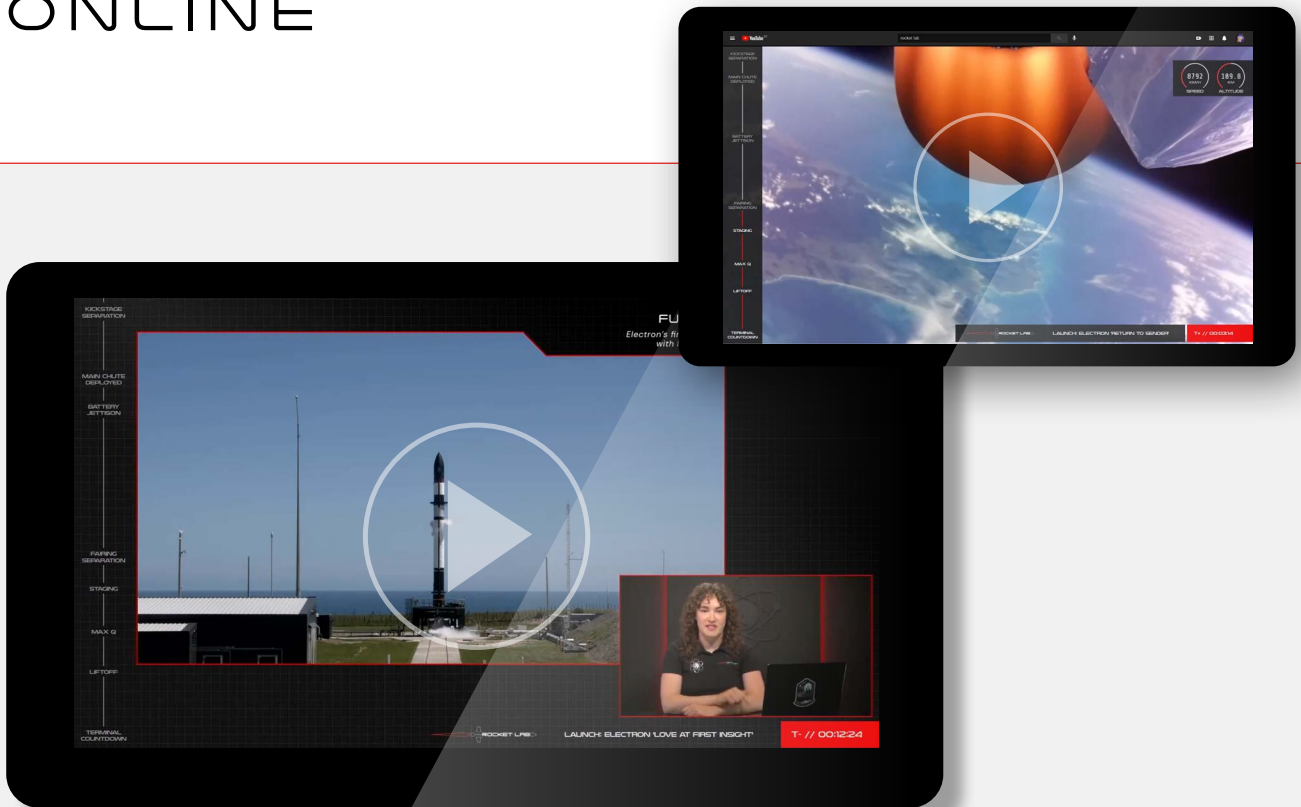
BlackSky’s Spectra AI platform uses cutting-edge machine learning and artificial intelligence techniques to deliver unique first-to-know insights to commercial and government customers.

As a trusted source for actionable intelligence, BlackSky is supporting critical day-to-day decision-making across a range of applications that include homeland security, supply chain intelligence, crisis management and response, critical infrastructure, and economic intelligence.

Rocket Lab has previously launched BlackSky on seven Electron missions since June 2019.

In addition to the primary mission of deploying BlackSky’s satellites, Rocket Lab will attempt a marine recovery of Electron’s first stage. This will see Electron’s first stage return to Earth under parachute and completing a soft splashdown in the ocean before it is collected by a customized vessel. The stage will be transported back to Rocket Lab’s production facility and analyzed to inform future recovery and reuse missions.

# VIEWING A LAUNCH ONLINE



## LIVE STREAM

The live stream is viewable at:

[rocketlabusa.com/  
live-stream](https://rocketlabusa.com/live-stream)

## LAUNCH FOOTAGE & IMAGES

Images and footage of "The Beat Goes On" launch will be available shortly after a successful mission at:

[www.flickr.com/photos/rocketlab](https://www.flickr.com/photos/rocketlab)

## UPDATES

For information on launch day visit:

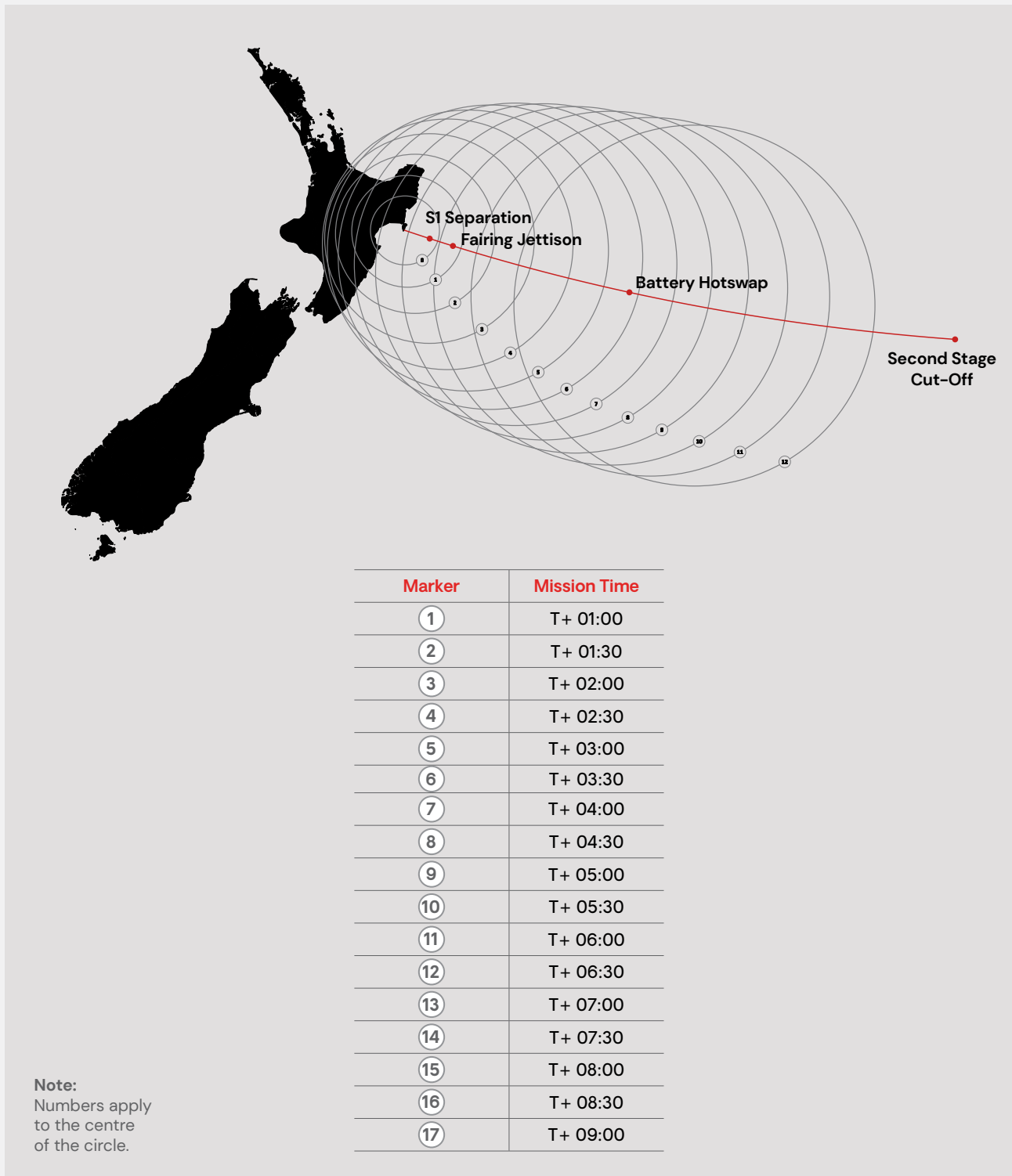
[rocketlabusa.com/next-mission](https://rocketlabusa.com/next-mission)

## FOLLOW ROCKET LAB:

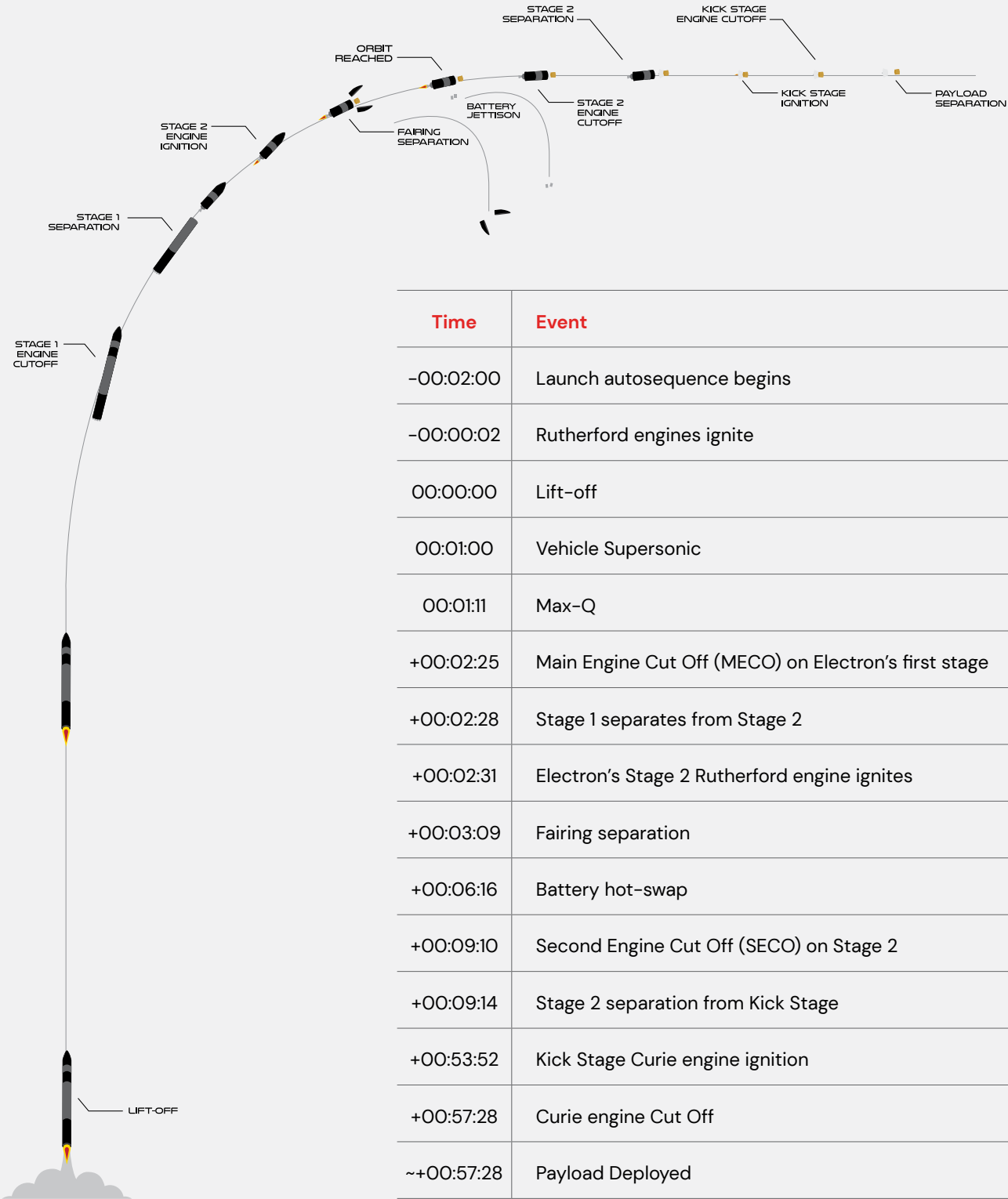
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# VIEWING A LAUNCH IN PERSON



# TIMELINE OF LAUNCH EVENTS



# ELECTRON LAUNCH VEHICLE

## OVERALL

### LENGTH

18m

### DIAMETER (MAX)

1.2m

### STAGES

2 + Kick Stage

### VEHICLE MASS (LIFT-OFF)

13,000kg

### MATERIAL/STRUCTURE

Carbon Fiber Composite/Monocoque

### PROPELLANT

LOX/Kerosene

## PAYLOAD

### NOMINAL PAYLOAD

320kg / 440lbm To 500km

### FAIRING DIAMETER

1.2m

### FAIRING HEIGHT

2.5m

### FAIRING SEP SYSTEM

Pneumatic Unlocking, Springs

## STAGE 2

### PROPULSION

1x Rutherford Vacuum Engine

### THRUST

5800 LBF Vacuum

### ISP

343 Sec

## INTERSTAGE

### SEPARATION SYSTEM

Pneumatic Pusher

## STAGE 1

### PROPULSION

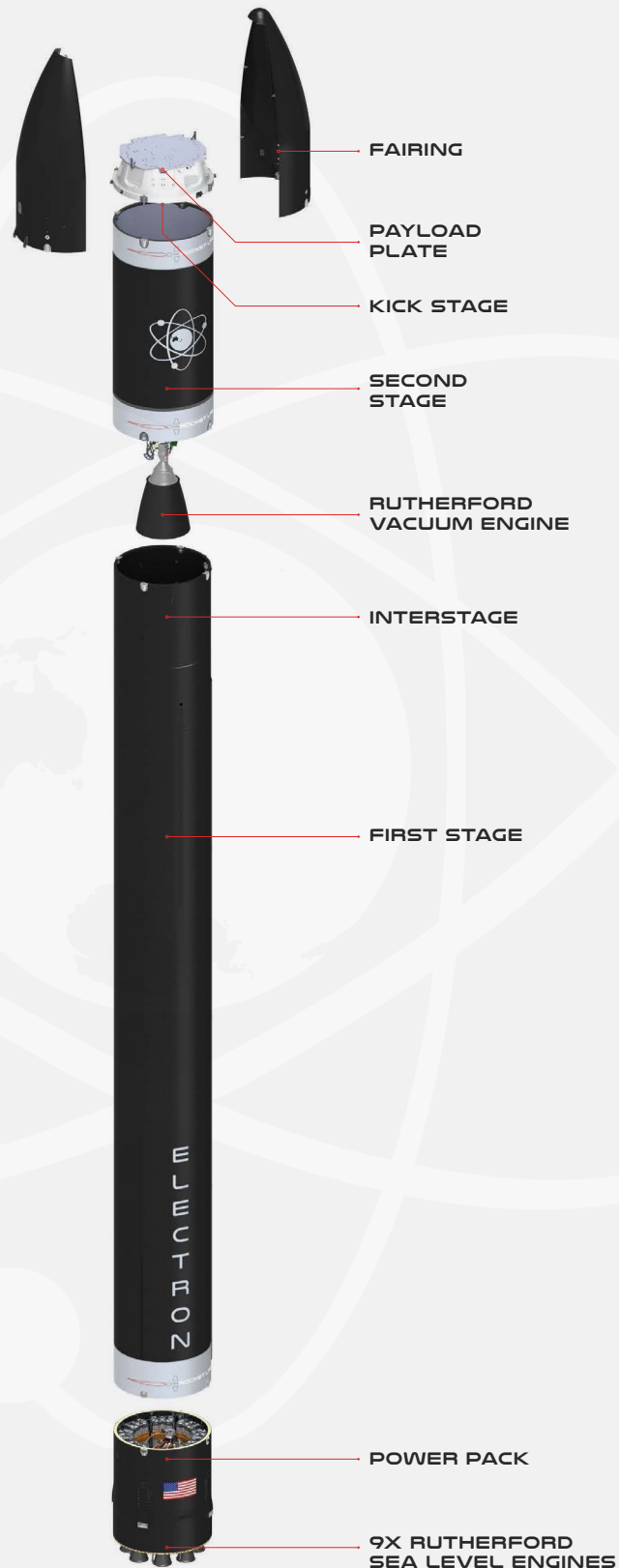
9x Rutherford Sea Level Engines

### THRUST


5600 LBF Sea Level (Per Engine)


### ISP

311 Sec




## CONTACT US


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