



STRONGER TOGETHER

PRESS KIT | NET MARCH 11, 2023

Rocket Lab USA, Inc.
rocketlabusa.com



LAUNCH INFORMATION



LAUNCH SITE

Launch Complex 2
Wallops Island
Virginia, USA.



LAUNCH WINDOW

Rocket Lab is targeting
no earlier than March 11, ET.

We have back up launch opportunities
through March should we need to stand
down for any reason.



DAILY LAUNCH OPPORTUNITY

Time Zone	Window Open
ET	18:00-20:00
PT	15:00-17:00
UTC	23:00-01:00
NZDT	12:00-14:00



ORBIT

600km

Circular Orbit



SATELLITES

2



INCLINATION

44

Degrees



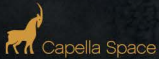
CUSTOMER

Capella Space

Dedicated Mission

MISSION OVERVIEW

About 'Stronger Together'



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The “Stronger Together” mission will be Rocket Lab’s second Electron mission from its dedicated launch pad at Rocket Lab Launch Complex 2 (LC-2) on Wallops Island, Virginia.

The launch is a dedicated mission for Capella Space, a leading satellite manufacturer and Earth observation company. “Stronger Together” will deliver to orbit two more Synthetic Aperture Radar (SAR) satellites that enable Capella Space to deliver the highest quality, highest resolution SAR imagery commercially available with the fastest order-to-delivery time, empowering organizations across the public and private sector to make informed, accurate decisions.

A pioneer in the Earth observation industry, Capella is the first U.S. company with a constellation of

commercial SAR satellites. Its satellite imaging technology can penetrate all weather conditions and capture clear imagery 24-7, day and night, delivering accurate and timely data about what is happening across the planet at any given moment. The company designs and manufactures its satellites in the U.S., with offices in California, Colorado and Washington, D.C. With this latest launch into low-Earth orbit, Capella Space will expand its market-leading SAR satellite constellation in response to increased customer demand for SAR data

“Stronger Together” will be Capella Space’s second launch with Rocket Lab on Electron and its first from Rocket Lab Launch Complex 2 in Virginia. Supporting Rocket Lab’s vertical integration strategy, Rocket Lab will also supply Capella Space with two of Rocket Lab’s own Motorized Lightbands; separation systems designed to separate the Capella satellites from Electron once in orbit.

Rocket Lab will not attempt to recover Electron for this mission.

LAUNCH COMPLEX 2

Wallops Island, Virginia, USA



LAUNCH COMPLEX 2
VIRGINIA, USA



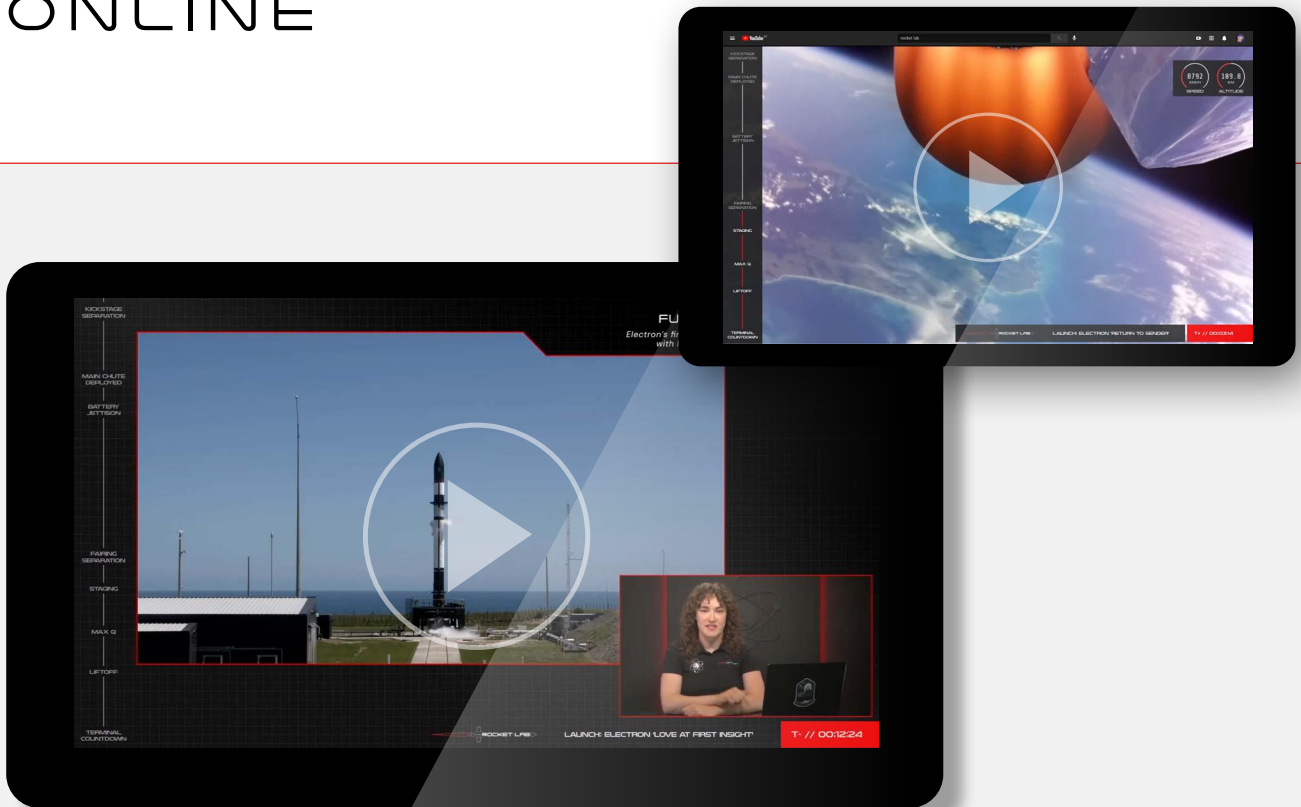
Launch Complex 2 is Rocket Lab's first launch site on U.S. soil. Capable of supporting a launch a month from the Eastern Shore, Launch Complex 2 enables responsive access and opens up regular and reliable launch for government and commercial customers.

Alongside Launch Complex 2, Rocket Lab also operates Rocket Lab Launch Complex 1 in New Zealand exclusively for the Electron rocket. Combined, the two sites can support more than 130 Electron missions every year – opening up access to orbit for small satellites that is unmatched by any other small launch provider.

Rocket Lab operates an Integration and Control Facility within the Wallops Research Park, a short drive from the pad itself. The facility is home to state-of-the-art payload integration cleanrooms, vehicle processing facilities and a mission control center.

The launch pad and production complex for Rocket Lab's large reusable Neutron launch vehicle will also be located at Virginia Space's Mid-Atlantic Regional Spaceport, streamlining operations across small and large launch. Construction on the Neutron Production Complex is currently underway.

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 "Stronger Together" launch will be available shortly after a successful mission at:

www.flickr.com/photos/rocketlab

UPDATES

For information on launch day visit:

rocketlabusa.com/next-mission

FOLLOW ROCKET LAB:

 [@RocketLab](https://twitter.com/RocketLab)

 facebook.com/RocketLabUSA

VIEWING A LAUNCH IN PERSON

Launch fans eager to watch Electron missions from Launch Complex 2 can view launch opportunities from the following locations across the county.



CURTIS MERRITT HARBOR

2246 Curtis Merritt Harbor Rd.,
Chincoteague Island, VA

Directions:

- From Rt 13, turn east at T's Corner stop light onto Chincoteague Rd/VA-175
- Follow Rt 175 across causeway and bridges to Chincoteague Island
- Turn right at the stop light onto Main Street, heading south
- The entrance to the Harbor is near the end of the road on the left.

TOWN DOCK/ROBERT REED PARK

4083 Main Street, Chincoteague Island, VA

Directions:

- From Rt 13, turn east at T's Corner stop light onto Chincoteague Rd/ VA-175
- Follow Rt 175 across causeway and bridges to Chincoteague Island
- Turn right at the stop light onto Main Street, heading south
- Park is approximately .5 mile on the right. Parking at entrance is at Don's Seafood.

QUEEN'S SOUND LANDING

Along Causeway on Rt 175 to
Chincoteague Island, VA

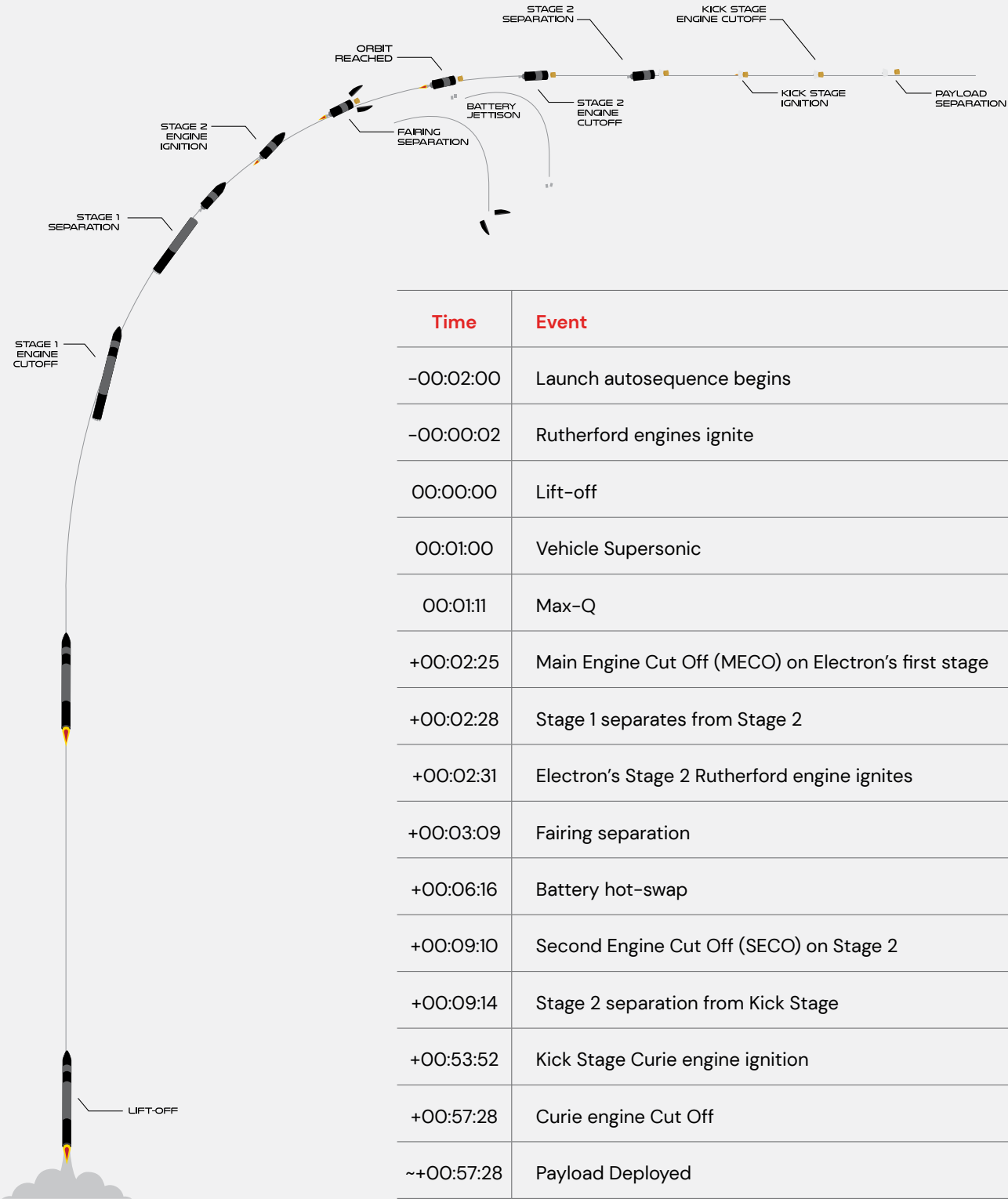
Directions:

- From Rt 13, turn east at Ts Corner stop light onto Chincoteague Rd/VA-175
- Follow Rt 175 7.9 miles to public boat landing on right
- NOTE: there is NO PARKING permitted on Rt 175.

For more information about launch viewing locations, please visit or contact the Chincoteague Island Visitor's Center and Chamber of Commerce.

6733 Maddox Blvd.
Chincoteague Island, VA
info@chincoteaguechamber.com

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

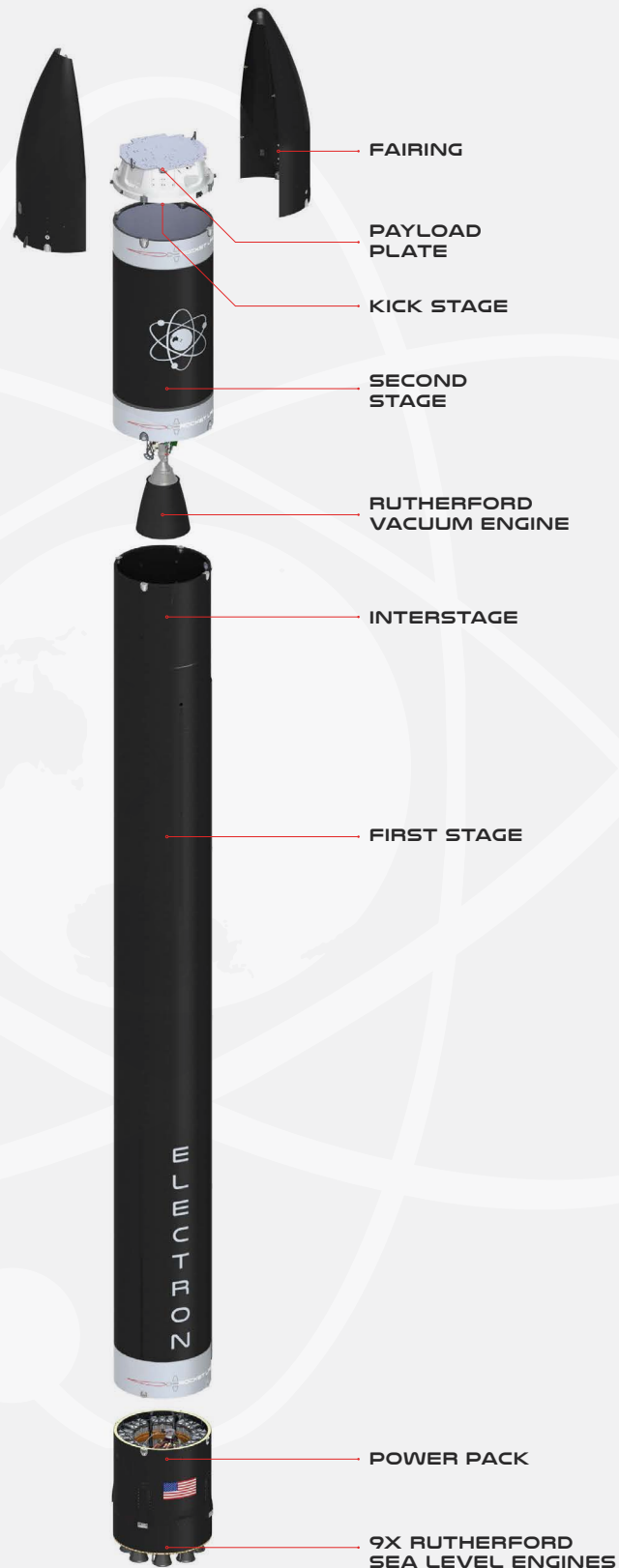
9x Rutherford Sea Level Engines

THRUST


5600 LBF Sea Level (Per Engine)


ISP

311 Sec




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