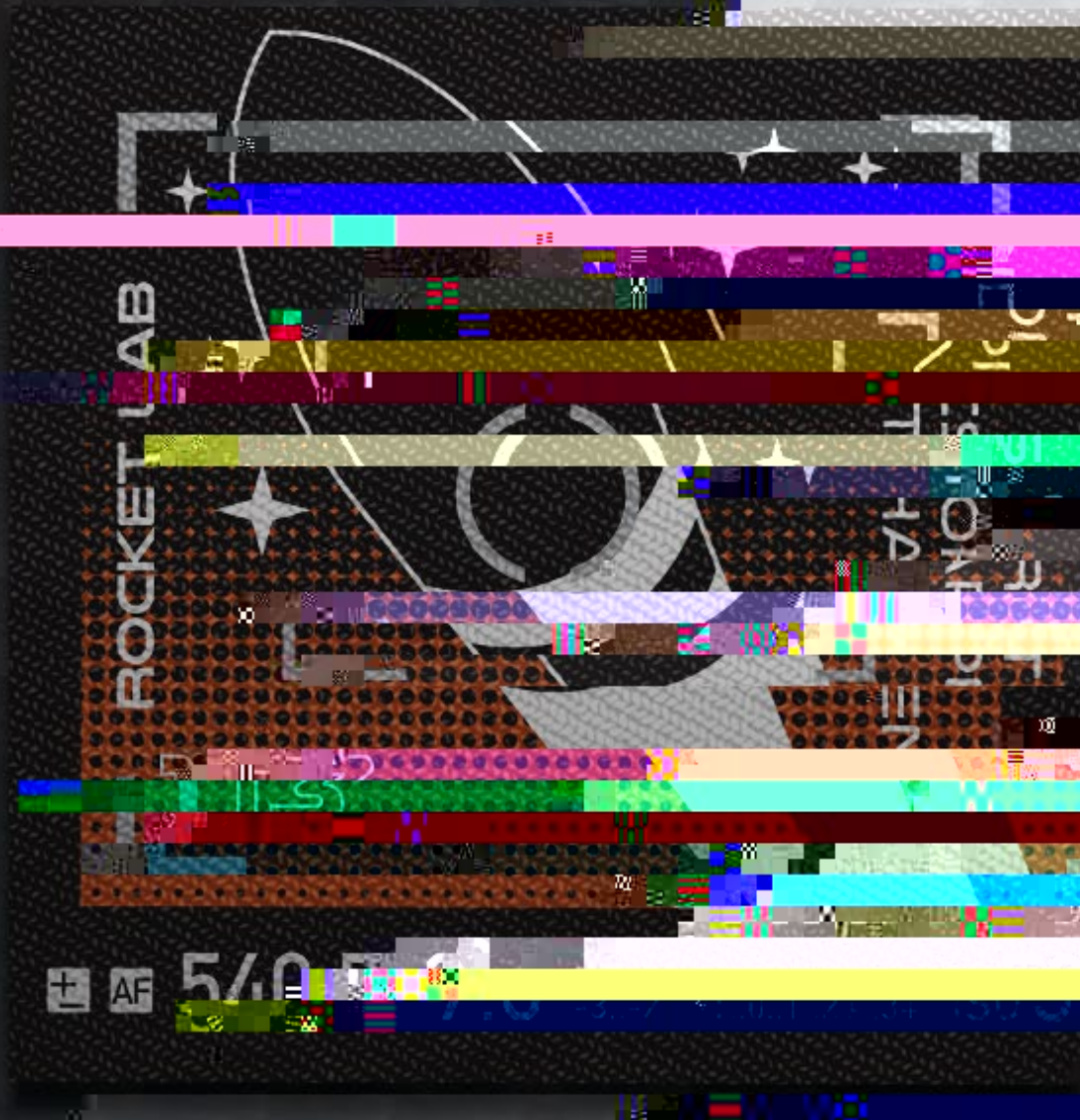


ROCKET LAB USA 2020

# PICS OR IT DIDN'T HAPPEN PRESS KIT JULY 2020

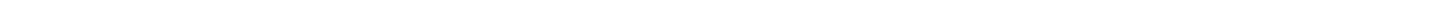




# ROCKET LAB PRESS KIT

## 'PICS OR IT DIDN'T HAPPEN' 2020

The primary payload aboard this mission, Canon Electronics Inc.'s CE-SAT-IB, was procured by satellite rideshare and mission management provider Spaceflight Inc. The mission objective for the CE-SAT-IB satellite is to demonstrate Canon Electronics Inc.'s Earth-imaging technology with high-resolution and wide-angle cameras, as well as test the microsatellite for mass production.

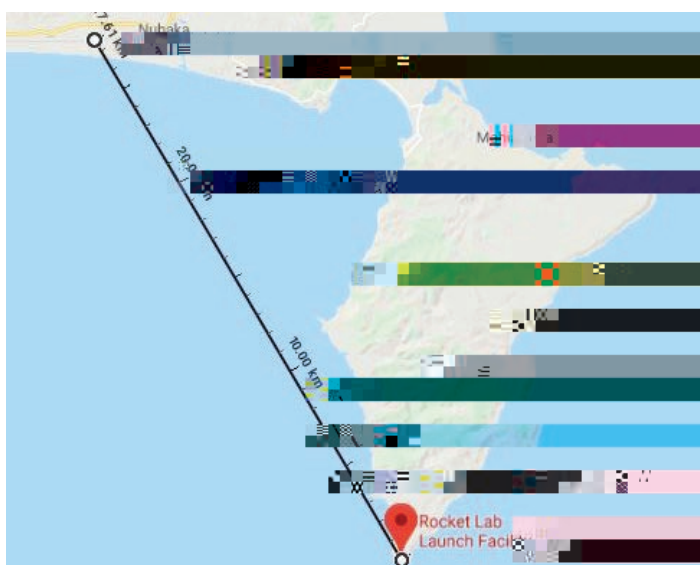




# ROCKET LAB PRESS KIT

## VIEWING IN PERSON

Wairoa District Council has allocated a rocket launch viewing area for the public near Nuhaka, accessible via Blucks Pit Road. Visit [www.visitwairoa.co.nz/welcome-to-wairoa/space-coast-new-zealand/](http://www.visitwairoa.co.nz/welcome-to-wairoa/space-coast-new-zealand/) for more information. Scrubs and postponements are likely during launch windows, so visitors to the Blucks Pit viewing site should anticipate multiple postponements, sometimes across several days.





# ELECTRON



RUTHERFORD VACUUM ENGINE

INTERSTAGE

FIRST STAGE

POWER PACK

9X RUTHERFORD SEA LEVEL ENGINES

## OVERALL

**LENGTH**  
17M

**DIAMETER (MAX)**  
1.2M

**STAGES**  
2 + OPTIONAL KICK STAGE

**VEHICLE MASS (LIFTOFF)**  
13,000KG

**MATERIAL/STRUCTURE**  
CARBON FIBER COMPOSITE/MONOCOQUE

**PROPELLANT**  
LOX/KEROSENE

## PAYLOAD

**NOMINAL PAYLOAD**  
150KG TO SSO

**PAYLOAD DIAMETER**  
1.08M

**PAYLOAD HEIGHT**  
1.91M

**FAIRING SEP SYSTEM**  
PNEUMATIC UNLOCKING, SPRINGS

## STAGE 2

**PROPULSION**  
1X RUTHERFORD VACUUM ENGINES

**THRUST**  
5500 LBF VACUUM

**ISP**  
343 SEC

## INTERSTAGE

**SEPARATION SYSTEM**  
PNEUMATIC PUSHER

## STAGE 1

**PROPULSION**  
9X RUTHERFORD SEA LEVEL ENGINES

**THRUST**  
5500 LBF SEA LEVEL (PER ENGINE)

**ISP**  
311 SEC

