



DARPA LAUNCH CHALLENGE

47th Spaceport Summit
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Todd Master, Program Manager

DARPA LAUNCH CHALLENGE

WILL YOU MEET THE CHALLENGE?



LAUNCH FAST

CHANGE SITES

LAUNCH FAST AGAIN

PRIZES

PAYLOAD BONUS



1ST, 2ND, AND 3RD PLACE
BASED ON
PAYLOAD WEIGHT
&
TIME TO LAUNCH

- SEPARATE LAUNCHES
- SHORT NOTIFICATION TO FIRST LAUNCH
- DAYS TO WEEKS BETWEEN LAUNCHES
- DIFFERENT PAYLOADS
- DIFFERENT ORBITS
- DIFFERENT LAUNCH SITES

DAYS TO WEEKS

FIRST LEO
LAUNCH



PRIZE

DAYS TO WEEKS

SECOND LEO
LAUNCH



DARPAlaunchchallenge.org



Vertical Launch Sites

- 1 Mid-Atlantic Regional Spaceport - Wallops Island, VA
- 2 California Spaceport - Vandenberg AFB, CA
- 3 Pacific Spaceport Complex Alaska - Kodiak, AK
- 4 Naval Outlying Field, San Nicolas Island, CA

Horizontal Launch Sites

- 1 Cecil Spaceport - Jacksonville, FL
- 2 Cape Canaveral Space Force Station, FL
- 3 Spaceport America - Truth or Consequences, NM
- 4 Mojave Air and Space Port - Mojave, CA





Rapid development of Kodiak launch pad



April 2019:
Undisturbed earth



Nov 2019: Launch Challenge minimal
infrastructure configuration ready



15 Feb 20: Launch "cube" install



18 Feb 20: Rocket arrival in Kodiak



22 Feb 20: Fueling equipment in place on pad, rocket initial checkout complete, roll to mount



22 Feb 20: Rocket connected to mount



24 Feb 20: Pre-launch checkouts



28 Feb 20: Rocket & equipment ready for launch, post-blizzard rocket teardown and re-setup



29 Feb 20: Rocket fueled in launch configuration