

STUDENT ROCKET LAUNCH GUIDE

#StudentsRockIt

Launch Day Schedule

Saturday, July 20

Payload Team Arrival: 8 a.m.

Gates Open: 9 a.m.

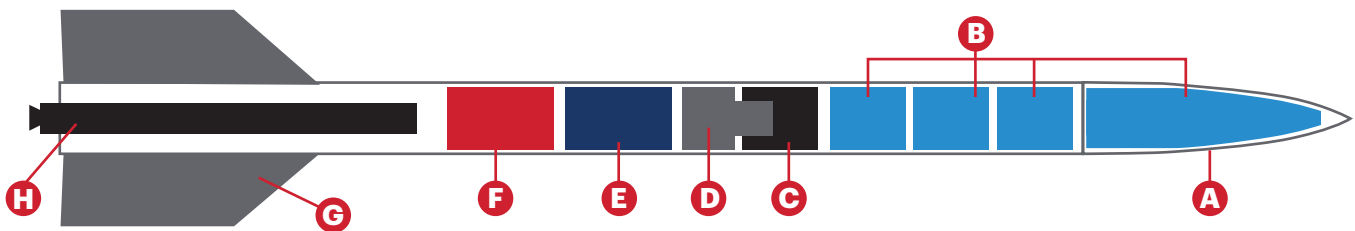
ULA Rocket Launches: 10 a.m. – Noon

Additional Rocket Launches: 9 a.m. – 3 p.m.

*Times are approximate and subject to change

Inside Each Rocket

- A.** Nose Cone
- B.** Payloads
- C.** Piston
- D.** Payload Ejection System
- E.** Airframe Recovery System
- F.** Booster Recovery System
- G.** Fins
- H.** Engine



Technical Specs

Height: 13 ft (3.96 m)
Diameter: 7.75 in (2.36 m)
Liftoff Mass: 92.2 lbs (41.8 kg)
Initial Thrust: 570 lbf (2,538 N)
Average Thrust: 450 lbf (2,000 N)
Total Impulse: 3,000 lbf*sec (13,347 N*s)
Performance: 0 to 60 mph (96.6 kph) in 0.5 sec
0 to 200 mph (321.9 kph) in 1.6 sec
0 to 535 mph (861 kph) in 5.5 sec
Altitude Target: 9,300 ft (2,834.64 m)
Liftoff Forward Axial Accel.: 6 Gs

Payload Teams

BAE Systems, Boulder, Colorado
Dixon Chicks, Cheshire, Connecticut
Green Mountain High School,
Lakewood, Colorado
Metropolitan State University of Denver,
Denver, Colorado
STEM School, Littleton, Colorado



BAE SYSTEMS

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What You Need to Know

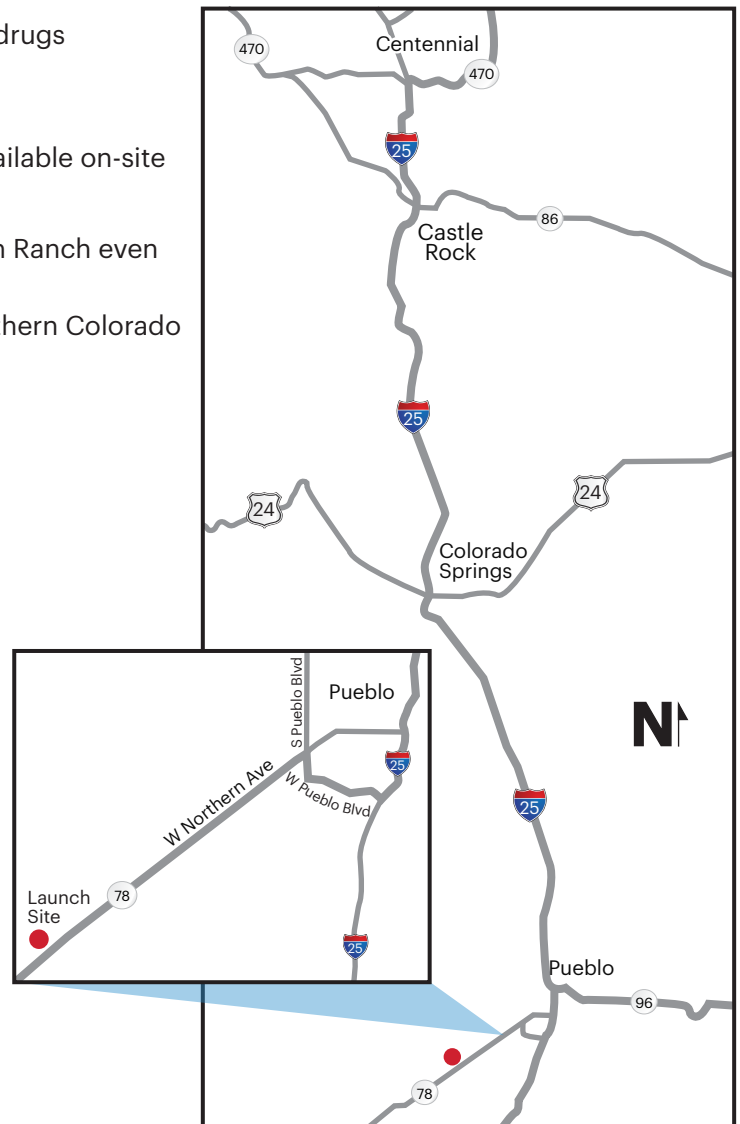
- Bring sunscreen, hats, folding chairs, portable shade, cameras, binoculars and wear sturdy, closed-toe shoes
- You may bring your own water, food and snacks
- Alcohol, smoking materials, weapons, drones and drugs are prohibited
- Children must be supervised at all times
- Port-a-potties and handwashing stations will be available on-site
- The launch site is wheelchair accessible
- Please pick up your trash and help us leave Hudson Ranch even cleaner than when we arrived
- Please join us in thanking our event hosts, the Southern Colorado Rocketeers (SCORE) for their time and support
- Follow @ulalaunch on X, Instagram and Facebook

Map/Directions

Use your favorite map app to route to the “Hudson Ranch Rocket Launch Site”

- Take I-25 South to Pueblo
- Take Exit 94 (Pueblo Blvd.)
- Turn right on Pueblo Blvd. and go approximately 3 miles to W. Northern Ave.
- Turn left on W. Northern Ave. (which later becomes Highway 78) and go 9.5 miles
- Look for signage to direct you to the launch site

Total drive time from the intersection of C-470 and I-25 is approximately 1 hour and 50 minutes.



BAE SYSTEMS