
ASTRA

LAUNCH WINDOW

FEBRUARY **5TH** SATURDAY

TO

FEBRUARY **6TH** SUNDAY

LAUNCH SITE

SLC-46

Space Launch Delta 45

CAPE CANAVERAL, FLORIDA

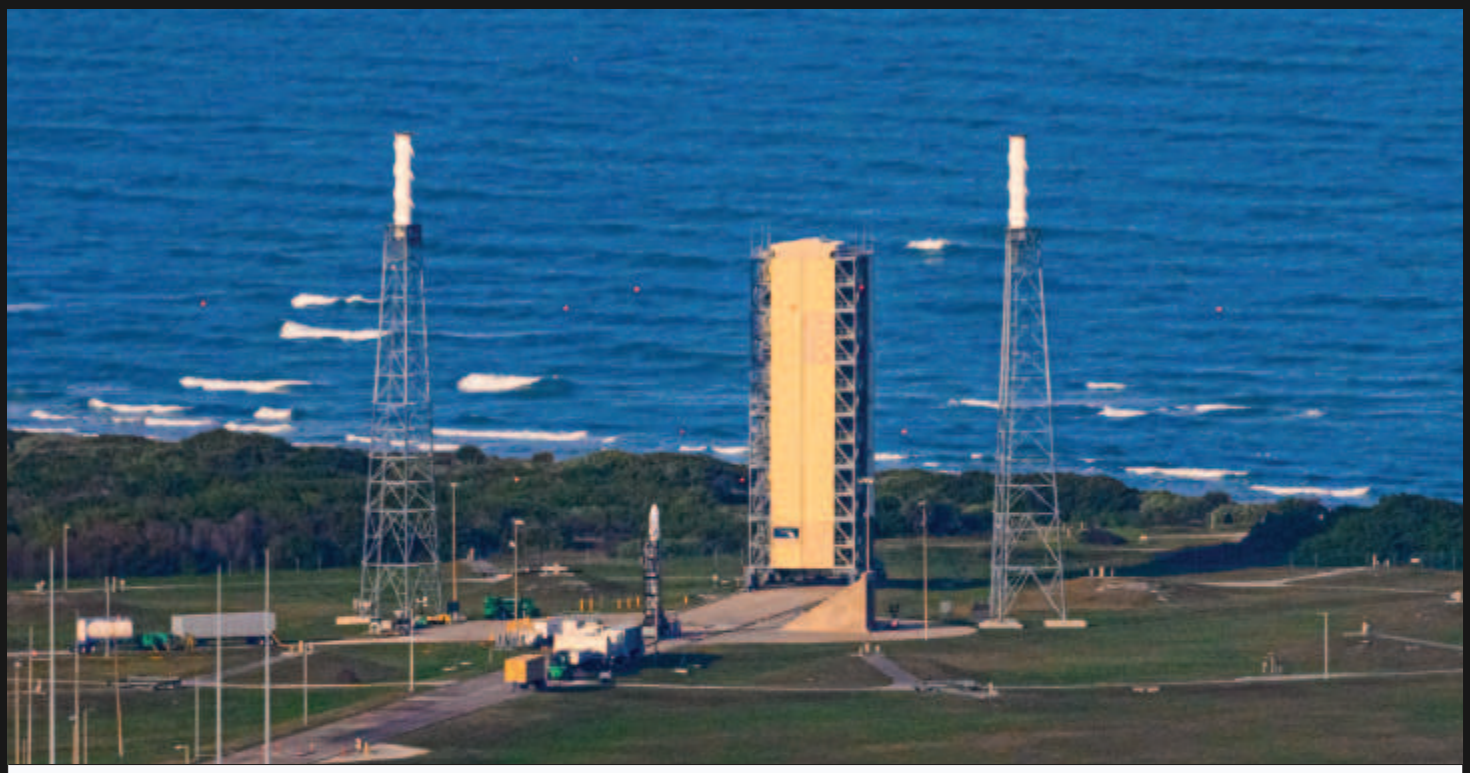
TARGET ORBIT

41º INCLINATION

500KM ALTITUDE

PAYLOAD

This mission includes 4 CubeSats for NASA developed by three universities and NASA's Johnson Space Center.



MISSION OVERVIEW

Astra's objective is to successfully launch and deploy 4 spacecraft for NASA. This will be Astra's first mission deploying satellites, our first launch for NASA, and our first launch from Cape Canaveral, Florida.

The ELaNa 41 mission is part of NASA's Venture Class Launch Services Demonstration 2 (VCLS Demo 2) contract under NASA's Launch Services Program (LSP).

FOR MORE INFORMATION,
ASTRA.COM/NEWSROOM

MISSION TIMELINE

+8m 40s	Payload Deployment
+8m 30s	Second Engine Cut-Off
+3m 05s	Upper Stage Ignition
+3m 00s	Stage Separation
+2m 55s	Fairing Separation
+2m 50s	Main Engine Cut-Off
+1m 10s	Max-Q
+6s	Begin Pitch Over
+0s	Lift-off

ABOUT LAUNCH VEHICLE 0008 / ROCKET 3.3

Astra has developed the world's most responsive and affordable orbital launch system.

Rocket 3.3 is an expendable, vertically-launched two stage LOX/kerosene rocket, designed to fit inside a standard shipping container and built to dramatically lower the cost of access to space.

Eschewing labor-intensive processes such as carbon composite layups, Astra has focused on proven and cost-efficient metallic structures. Rocket 3.3 consists of a first stage powered by five first stage electric-pump-fed engines and an upper stage propelled by a single pressure-fed upper stage engine.

OVERALL LENGTH	43 FT	AND	DIAMETER	52 IN

FIRST STAGE		SECOND STAGE	
ENGINE QTY	5	ENGINE QTY	1
THRUST PER ENGINE	6,500 LBF SL	THRUST PER ENGINE	740 LBF VACUUM
TOTAL THRUST	32,500 LBF SL	TOTAL THRUST	740 LBF VACUUM
PROPELLANT	LOX / Kerosene	PROPELLANT	LOX / Kerosene

ABOUT ASTRA

Astra's mission is to improve life on Earth from space by creating a healthier and more connected planet. Astra's first flight to space was within 4 years of its inception, making it the fastest company to reach space.

VISIT WWW.ASTRA.COM TO LEARN MORE

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SAFE HARBOR STATEMENT

Certain statements made in this press release are "forward-looking statements". Forward-looking statements may be identified by the use of words such as "anticipate", "believe", "expect", "estimate", "plan", "outlook", and "project" and other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements reflect the current analysis of existing information and are subject to various risks and uncertainties, including Astra's failure to meet the projected launch targets. As a result, caution must be exercised in relying on forward-looking statements. Due to known and unknown risks, actual results may differ materially from Astra's expectations or projections and while Astra expects to meet this launch window a number of factors could impact our ability to successfully complete the launch described in this press release, including governmental or other restrictions that may be placed on travel in response to the increased COVID-19 transmission rates; delays that would result if critical members of our launch team were to be infected with the COVID-19 virus; setbacks we may face as we continue to test our rocket's launch capability, governmental orders and decisions over which we have no control and those risks and uncertainties discussed from time to time in our filings with the Securities and Exchange Commission.

When we use the phrase "commercial orbital launch," we mean a launch conducted under a FAA Commercial Launch License.