

An aerial photograph of a desert landscape with a network of roads and winding paths. A rocket is shown in the center, ascending vertically with a bright orange and yellow plume of fire and smoke from its engines. The rocket has a white nose cone and a blue and white body. In the top right corner, the NASA logo is visible. In the bottom right corner, the ULA logo is present, with the text "United Launch Alliance" underneath it. In the bottom left corner, there is a small circular inset showing a satellite or orbital path.

NASA

ULA
United Launch Alliance

1
00:00:12,230 --> 00:00:06,050
t-minus ten nine eight seven six five

2
00:00:15,820 --> 00:00:12,240
four three two one we have ignition and

3
00:00:18,590 --> 00:00:15,830
liftoff of a delta 2 rocket and rise

4
00:00:28,050 --> 00:00:18,600
searching for stars at galaxies never

5
00:00:32,970 --> 00:00:30,540
jeanna the chamber pressure in both

6
00:00:37,439 --> 00:00:32,980
verniers and the dipper pressure in all

7
00:00:39,710 --> 00:00:37,449
three solids 25 seconds mark 25 seconds

8
00:00:42,900 --> 00:00:39,720
into the flight

9
00:00:45,990 --> 00:00:42,910
bring nicely from the original main

10
00:00:48,600 --> 00:00:46,000
engine pitching your transients coming

11
00:00:55,140 --> 00:00:48,610
up 36 seconds mark 36 seconds vehicle

12
00:01:00,210 --> 00:00:55,150
now at Mach 1 still looking good will be

13
00:01:02,460 --> 00:01:00,220

5 seconds in first we're beginning to

14

00:01:09,840 --> 00:01:02,470

decline on our solids 50 seconds in

15

00:01:11,310 --> 00:01:09,850

max-q maximum dynamic pressure on one

16

00:01:17,820 --> 00:01:11,320

minute into the flight standing by for

17

00:01:20,219 --> 00:01:17,830

burnout and we have burnout we're not

18

00:01:21,480 --> 00:01:20,229

other three engines the three ground-lit

19

00:01:24,179 --> 00:01:21,490

solids will be holding on to those

20

00:01:26,280 --> 00:01:24,189

solids for about 30 seconds to assure a

21

00:01:28,870 --> 00:01:26,290

good water impact point 1 minute 15

22

00:01:31,270 --> 00:01:28,880

seconds in

23

00:01:34,149 --> 00:01:31,280

altitude 9.4 nautical miles downrange

24

00:01:38,880 --> 00:01:34,159

distance 9 nautical miles velocity 980

25

00:01:45,970 --> 00:01:41,670

ten seconds until we jettison the three

26

00:01:45,980 --> 00:02:00,090

you

27

00:02:09,240 --> 00:02:01,890

we have separation of the three solid

28

00:02:11,220 --> 00:02:09,250

motors the Delta vehicle now only weighs

29

00:02:13,740 --> 00:02:11,230

one-half of what it did it launched two

30

00:02:15,570 --> 00:02:13,750

minutes ago as we're burning propellant

31

00:02:17,160 --> 00:02:15,580

the rate of 800 pounds per second now

32

00:02:19,170 --> 00:02:17,170

passing two minutes five seconds into

33

00:02:21,390 --> 00:02:19,180

the flight after nineteen point one

34

00:02:24,510 --> 00:02:21,400

nautical miles downrange distance two