



1
00:00:13,250 --> 00:00:08,910
you are looking at NOAA's next

2
00:00:18,990 --> 00:00:16,140
NASA's launch services program and ula

3
00:00:20,640 --> 00:00:19,000
are busy encapsulating the spacecraft to

4
00:00:22,560 --> 00:00:20,650
protect it from the unforgiving

5
00:00:26,130 --> 00:00:22,570
atmospheric speeds it will encounter

6
00:00:28,170 --> 00:00:26,140
during launch without this fairing goes

7
00:00:31,980 --> 00:00:28,180
s wouldn't survive the journey into

8
00:00:34,250 --> 00:00:31,990
space thankfully these engineers know

9
00:00:36,900 --> 00:00:34,260
how to keep it safe

10
00:00:38,540 --> 00:00:36,910
engineer proceed with the LP transporter

11
00:00:42,180 --> 00:00:38,550
pad Roger

12
00:00:46,440 --> 00:00:42,190
it's go time the goes s launch window

13
00:00:49,229 --> 00:00:46,450

opens tomorrow ula and LSP have one last

14

00:00:52,260 --> 00:00:49,239

critical procedure to complete get the

15

00:00:54,320 --> 00:00:52,270

entire Atlas 5 stack and its mobile

16

00:01:02,080 --> 00:00:54,330

launch platform to the pad

17

00:01:06,700 --> 00:01:04,390

once it gets there it will be loaded

18

00:01:16,469 --> 00:01:06,710

with rocket fuel and be ready to start

19

00:01:20,670 --> 00:01:18,660

years of intense planning and

20

00:01:24,149 --> 00:01:20,680

coordination are finally rolling to the

21

00:01:26,969 --> 00:01:24,159

pad and the majesty of the atlas v is on

22

00:01:29,490 --> 00:01:26,979

display as it inches its way to liftoff

23

00:01:31,169 --> 00:01:29,500

this is the LC on one performing pretest

24

00:01:33,870 --> 00:01:31,179

briefly this operation is classified

25

00:01:36,240 --> 00:01:33,880

hazardous cryogenics will be loaded ALC

26
00:01:40,499 --> 00:01:36,250
verify count to start at 1947 to live

27
00:01:42,569 --> 00:01:40,509
verified proceeding with the count range

28
00:01:44,789 --> 00:01:42,579
coordinator clear to proceed

29
00:01:47,850 --> 00:01:44,799
launch director you have permission to

30
00:01:50,820 --> 00:01:47,860
lon proceeding with the count Rock

31
00:01:54,660 --> 00:01:50,830
report range status rain screen status

32
00:01:56,490 --> 00:01:54,670
check go out let's both send our range

33
00:01:59,420 --> 00:01:56,500
operations controller reports range

34
00:02:05,429 --> 00:01:59,430
green everything is gold

35
00:02:05,439 --> 00:02:12,720
to

36
00:02:17,860 --> 00:02:15,460
it goes s

37
00:02:19,570 --> 00:02:17,870
watching eye in the sky to join its twin

38
00:02:23,400 --> 00:02:19,580

and providing better forecasts and

39
00:02:27,330 --> 00:02:25,140
Atlas has begun a pitch and yaw maneuver

40
00:02:31,200 --> 00:02:27,340
to steer to its planned path an estimate

41
00:02:33,810 --> 00:02:31,210
of 147 degrees at 35 seconds rocky Karen

42
00:02:35,760 --> 00:02:33,820
goes as for each block one travel faster

43
00:02:38,250 --> 00:02:35,770
than the speed of sound

44
00:02:39,690 --> 00:02:38,260
47 seconds after launch the vehicle will

45
00:02:43,160 --> 00:02:39,700
pass through the area of maximum dynamic

46
00:02:45,110 --> 00:02:43,170
pressure on max-q

47
00:02:46,790 --> 00:02:45,120
stress on the rocket reaches its peak

48
00:02:48,170 --> 00:02:46,800
because of the Rockets velocity and the

49
00:03:00,490 --> 00:02:48,180
resistance created by the Earth's