



1
00:00:18,010 --> 00:00:10,280
t-minus 15 seconds t-minus 10 9 8 7 6 5

2
00:00:21,670 --> 00:00:18,020
4 3 2 1 main engine start zero and

3
00:00:24,259 --> 00:00:21,680
liftoff of the Atlas 5 with curiosity

4
00:00:31,270 --> 00:00:24,269
seeking clues to the planetary puzzle

5
00:00:31,280 --> 00:00:35,170
right

6
00:00:54,460 --> 00:00:43,630
Canadian perspective modeling down to 76

7
00:00:59,110 --> 00:00:54,470
percent program please and fellas I'll

8
00:01:06,999 --> 00:00:59,120
break the sound barrier there be chamber

9
00:01:18,880 --> 00:01:13,160
and we passed through max Q closed-loop

10
00:01:25,340 --> 00:01:22,760
SRB profile continues look now waddling

11
00:01:31,730 --> 00:01:25,350
back up to 100% thrust on the rd-180

12
00:01:39,529 --> 00:01:31,740
engine parameters looking good bike

13
00:01:42,740 --> 00:01:39,539

control disturbances as expected as

14

00:01:48,590 --> 00:01:42,750

every pressures running rate has

15

00:01:57,199 --> 00:01:48,600

expected - trippy burnout we have

16

00:02:08,850 --> 00:01:57,209

burnout of the SRBs everything is

17

00:02:14,440 --> 00:02:11,680

and we have first pair and second pair

18

00:02:16,030 --> 00:02:14,450

both sets of SR B's have successfully

19

00:02:21,039 --> 00:02:16,040

jettison the vehicle we've been able

20

00:02:23,020 --> 00:02:21,049

guidance everything is looking good this

21

00:02:26,140 --> 00:02:23,030

is Rob Gannon our United Launch Alliance

22

00:02:29,220 --> 00:02:26,150

telemetry manager we're hearing vehicle

23

00:02:32,199 --> 00:02:29,230

is now 32 nautical miles in altitude

24

00:02:41,080 --> 00:02:32,209

fifty to four miles downrange traveling

25

00:02:46,240 --> 00:02:41,090

at 4900 miles per hour and we've got

26

00:03:07,290 --> 00:02:46,250

allowed to hold a constant 2.5 g level

27

00:03:18,720 --> 00:03:09,810

and we fired the pyro valve pressurizing

28

00:03:26,580 --> 00:03:18,730

the RCS bottle pressure increasing and

29

00:03:31,820 --> 00:03:26,590

the Lopes expected now we're hitting our

30

00:03:33,020 --> 00:03:31,830

2.5 g coming up on payload fairing

31

00:03:42,660 --> 00:03:33,030

Edison

32

00:03:49,039 --> 00:03:44,679

barring jet

33

00:03:51,380 --> 00:03:49,049

and we also have a successful CFL our

34

00:03:53,479 --> 00:03:51,390

jettison it as expected

35

00:04:02,170 --> 00:03:53,489

throttling up on the rd-180 everything

36

00:04:10,940 --> 00:04:07,220

and we are now entering our constant 4.6

37

00:04:12,289 --> 00:04:10,950

G acceleration battle phase everything

38

00:04:14,809 --> 00:04:12,299

looking good we've started to boost

39

00:04:23,350 --> 00:04:14,819

phase chill down housing temps are

40

00:04:23,360 --> 00:04:29,820

and the a-bomb booster engine cutoff

41

00:04:29,830 --> 00:04:41,280

affecting Vigo in 10 seconds 50 80 years

42

00:04:49,710 --> 00:04:45,870

we have Beco retrorockets and stage

43

00:04:58,200 --> 00:04:49,720

separation we have pre start on fuel and

44

00:05:00,440 --> 00:04:58,210

locks ashen and full thrust Center main

45

00:05:09,119 --> 00:05:00,450

engine is up and running as expected