00:00:00,000 --> 00:00:18,019
t-minus 15 seconds t-minus 10 9 8 7 6 5

00:00:10,289 --> 00:00:21,679
4 3 2 1 main engine start zero and

00:00:18,019 --> 00:00:24,268
liftoff of the Atlas 5 with curiosity

00:00:21,679 --> 00:00:27,920
seeking clues to the planetary puzzle

00:00:24,268 --> 00:00:27,919
about life on Mars

00:00:31,280 --> 00:00:33,520
right

00:00:35,179 --> 00:00:54,469
Canadian perspective modeling down to 76

00:00:43,640 --> 00:00:59,120
percent program please and fellas I'll

00:00:54,469 --> 00:01:02,769
break the sound barrier there be chamber

00:01:07,009 --> 00:01:18,228
computers Impala and Walker
and we passed through max Q closed-loop

00:01:13,170 --> 00:01:18,228
on Atlas V u signatures as expected

00:01:18,890 --> 00:01:25,349
SRB profile continues look now waddling

00:01:22,769 --> 00:01:31,739
back up to 100% thrust on the rd-180
15
00:01:25,349 --> 00:01:39,538
engine parameters looking good bike

16
00:01:31,739 --> 00:01:42,750
control disturbances as expected as

17
00:01:39,539 --> 00:01:48,599
every pressures running rate has

18
00:01:42,750 --> 00:01:57,209
expected - trippy burnout we have

19
00:01:48,599 --> 00:02:03,708
burnout of the SRBs everything is

20
00:01:57,209 --> 00:02:03,709
looking good 10 seconds to SRB jet

21
00:02:08,860 --> 00:02:14,450
and we have first pair and second pair

22
00:02:11,689 --> 00:02:16,039
both sets of SR B's have successfully

23
00:02:14,449 --> 00:02:21,048
jettison the vehicle we've been able

24
00:02:16,039 --> 00:02:23,030
guidance everything is looking good this

25
00:02:21,049 --> 00:02:26,150
is Rob Gannon our United Launch Alliance

26
00:02:23,030 --> 00:02:29,229
telemetry manager we're hearing vehicle

27
00:02:26,150 --> 00:02:32,209
is now 32 nautical miles in altitude

28
00:02:29,229 --> 00:02:41,089
fifty to four miles downrange traveling

29
at 4900 miles per hour and we've got allowed to hold a constant 2.5 g level for payload fairing jettison and we fired the pyro valve pressurizing the RCS bottle pressure increasing and the Lopes expected now we're hitting our 2.5 g coming up on payload fairing lastly 10 seconds barring jet and we also have a successful CFL our jettison it as expected throttling up on the rd-180 everything with good I'm up to 89 percent thrust
and we are now entering our constant 4.6

44
00:04:07,229 --> 00:04:12,298
G acceleration battle phase everything

45
00:04:10,949 --> 00:04:14,818
looking good we've started to boost

46
00:04:12,299 --> 00:04:17,420
phase chill down housing temps are

47
00:04:14,818 --> 00:04:17,420
responding

48
00:04:23,360 --> 00:04:27,400
and the a-bomb booster engine cutoff

49
00:04:29,829 --> 00:04:37,359
affecting Vigo in 10 seconds 50 80 years

50
00:04:41,290 --> 00:04:49,720
we have Beco retrorockets and stage

51
00:04:45,879 --> 00:04:58,209
separation we have pre start on fuel and

52
00:04:49,720 --> 00:05:00,450
locks ashen and full thrust Center main

53
00:04:58,209 --> 00:05:03,870
engine is up and running as expected

54
00:05:00,449 --> 00:05:03,870
everything looking good

55
00:05:09,129 --> 00:05:18,838
during has been enabled they have some

56
00:05:15,610 --> 00:05:18,838
tarp eu2 fixed angles