



1
00:00:10,230 --> 00:00:07,749
and after we go into that hold we'll

2
00:00:12,310 --> 00:00:10,240
have vern thorpe from united launch

3
00:00:13,910 --> 00:00:12,320
alliance come over and

4
00:00:14,709 --> 00:00:13,920
go through the flight sequence of what

5
00:00:17,269 --> 00:00:14,719
the

6
00:00:22,870 --> 00:00:17,279
atlas v rocket will be doing as it after

7
00:00:26,870 --> 00:00:24,470
status check to proceed with terminal

8
00:00:31,189 --> 00:00:26,880
count atlas systems propulsion go

9
00:00:33,670 --> 00:00:31,199
hydraulics go pneumatics go lo2 go water

10
00:00:38,470 --> 00:00:33,680
go centaur systems propulsion go

11
00:00:41,590 --> 00:00:38,480
pneumatics go lo2 go lh2 go has gas go

12
00:00:45,750 --> 00:00:41,600
electrical systems airborne go ground go

13
00:00:47,430 --> 00:00:45,760

facility go rffts go flight control go

14

00:00:52,229 --> 00:00:47,440

instrumentation go

15

00:00:55,350 --> 00:00:52,239

com go timer go gc cube go umbilicals go

16

00:00:58,709 --> 00:00:55,360

ecs go redline monitor go

17

00:01:01,029 --> 00:00:58,719

quality go op safety manager go ula

18

00:01:02,790 --> 00:01:01,039

safety officer go range weather and

19

00:01:04,950 --> 00:01:02,800

clear to proceed go

20

00:01:08,630 --> 00:01:04,960

launch director lc you have permission

21

00:01:09,590 --> 00:01:08,640

to launch proceeding with the count

22

00:01:10,469 --> 00:01:09,600

nine

23

00:01:11,429 --> 00:01:10,479

eight

24

00:01:12,390 --> 00:01:11,439

seven

25

00:01:13,510 --> 00:01:12,400

six

26
00:01:14,390 --> 00:01:13,520
five

27
00:01:15,510 --> 00:01:14,400
four

28
00:01:16,550 --> 00:01:15,520
three

29
00:01:17,749 --> 00:01:16,560
two

30
00:01:20,070 --> 00:01:17,759
one

31
00:01:23,670 --> 00:01:20,080
zero

32
00:01:25,190 --> 00:01:23,680
and liftoff of the atlas v rocket with

33
00:01:27,590 --> 00:01:25,200
tdrs k

34
00:01:37,830 --> 00:01:27,600
broadening enhancing and improving the

35
00:01:40,789 --> 00:01:39,670
role program has begun body rates look

36
00:01:49,990 --> 00:01:40,799
good

37
00:01:55,510 --> 00:01:52,789
booster engine continues to operate well

38
00:02:09,109 --> 00:01:55,520

pump speeds are within parameters

39

00:02:15,030 --> 00:02:13,110

currently excited 1.4 gs

40

00:02:16,949 --> 00:02:15,040

engine operation continues to be

41

00:02:18,710 --> 00:02:16,959

excellent

42

00:02:39,350 --> 00:02:18,720

roll programs complete booster view is

43

00:02:39,360 --> 00:02:51,670

block one

44

00:03:00,070 --> 00:02:53,910

max q body rates continue to look very

45

00:03:04,949 --> 00:03:01,910

booster has throttled back right on

46

00:03:12,470 --> 00:03:04,959

schedule engine response looks good

47

00:03:19,390 --> 00:03:16,149

current altitude is 13 miles downrange

48

00:03:29,910 --> 00:03:19,400

distance 9.6 miles current velocity is

49

00:03:33,830 --> 00:03:31,750

booster performance continues look very

50

00:03:35,430 --> 00:03:33,840

good the space in flight plus battery

51
00:03:40,949 --> 00:03:35,440
voltage that are stable tank pressures

52
00:03:44,390 --> 00:03:42,630
and closed loop steering has been

53
00:03:46,309 --> 00:03:44,400
enabled

54
00:03:48,630 --> 00:03:46,319
small perturbation and body rates but

55
00:03:52,949 --> 00:03:48,640
everything looks very good

56
00:03:54,710 --> 00:03:52,959
we have retros and stage separation

57
00:03:57,190 --> 00:03:54,720
we have locks and fuel pre-start on the

58
00:04:00,630 --> 00:03:57,200
centaur main engine the rcs gn2 purge

59
00:04:00,640 --> 00:04:08,470
we have ignition on rl10 and full thrust

60
00:04:13,670 --> 00:04:10,309
we have payload jettison looks like a

61
00:04:18,629 --> 00:04:16,069
range track continues to look very good

62
00:04:22,670 --> 00:04:18,639
current altitude is 96 miles downrange