



001:00

1
00:00:03,669 --> 00:00:01,750
t minus one minute one minute and

2
00:00:08,870 --> 00:00:03,679
counting the launch of the delta iv with

3
00:00:08,880 --> 00:00:13,749
t minus 50 seconds

4
00:00:19,830 --> 00:00:17,189
t minus 45 seconds launch enable enable

5
00:00:28,470 --> 00:00:19,840
ge main power off main power off

6
00:00:33,350 --> 00:00:31,189
launch computers now controlling ready

7
00:00:34,709 --> 00:00:33,360
handoff

8
00:00:38,630 --> 00:00:34,719
to the

9
00:00:43,510 --> 00:00:38,640
25 seconds flight login

10
00:00:52,150 --> 00:00:44,709
t minus

11
00:00:55,590 --> 00:00:52,160
nine

12
00:00:58,950 --> 00:00:55,600
eight go for main engine start seven six

13
00:01:00,470 --> 00:00:58,960

five four three two

14

00:01:04,149 --> 00:01:00,480

one

15

00:01:06,789 --> 00:01:04,159

zero and liftoff of the delta iv rocket

16

00:01:08,630 --> 00:01:06,799

with goes-p completing a new weather

17

00:01:10,550 --> 00:01:08,640

satellite constellation

18

00:01:29,350 --> 00:01:10,560

growing reliability for the weather

19

00:01:34,469 --> 00:01:31,429

we have 30 seconds mark 30 seconds into

20

00:01:39,830 --> 00:01:37,069

altitude now 2 nautical miles velocity

21

00:01:43,429 --> 00:01:39,840

1834 feet per second downrange about a

22

00:01:43,439 --> 00:01:47,670

timber pressure is beginning to decline

23

00:01:57,190 --> 00:01:50,230

47 seconds in now passing mach 1 vehicle

24

00:02:01,510 --> 00:01:59,350

passing 57 seconds

25

00:02:03,190 --> 00:02:01,520

standing by for max q one minute one

26
00:02:05,670 --> 00:02:03,200
second into the flight maximum dynamic

27
00:02:07,270 --> 00:02:05,680
pressure in the vehicle

28
00:02:09,510 --> 00:02:07,280
chamber pressure continuing to hold good

29
00:02:13,670 --> 00:02:09,520
in the main engine

30
00:02:20,150 --> 00:02:16,949
coming up one minute 15 seconds mark

31
00:02:22,949 --> 00:02:20,160
system still continuing to look good

32
00:02:24,470 --> 00:02:22,959
now passing one minute 20 seconds

33
00:02:30,390 --> 00:02:24,480
standing by for solid rocket motor

34
00:02:38,309 --> 00:02:32,070
island motor chamber pressure is

35
00:02:44,070 --> 00:02:41,589
i have burnout standing by for sep

36
00:02:45,430 --> 00:02:44,080
and we have separation both solid motors

37
00:02:48,470 --> 00:02:45,440
have separated successfully from the

38
00:02:55,830 --> 00:02:51,509

one minute 49 seconds into the flight

39

00:03:01,030 --> 00:02:58,229

altitude now 22.6 nautical miles

40

00:03:07,830 --> 00:03:01,040

velocity 5301 feet per second downrange

41

00:03:12,949 --> 00:03:09,350

chamber pressure continuing to look good

42

00:03:16,830 --> 00:03:12,959

in the main engine very smooth ride

43

00:03:29,589 --> 00:03:19,270

seconds good engine control in the first

44

00:03:33,589 --> 00:03:31,350

about one minute remains in full thrust

45

00:03:38,070 --> 00:03:33,599

mode about one minute from now we'll

46

00:03:44,070 --> 00:03:41,110

coming up on two minutes 40 seconds in

47

00:03:46,750 --> 00:03:44,080

altitude now 38 nautical miles velocity

48

00:03:51,990 --> 00:03:46,760

8300 feet per second downrange distance

49

00:03:55,030 --> 00:03:53,589

maintenance control continues to look

50

00:03:59,830 --> 00:03:55,040

good

51
00:04:10,789 --> 00:04:01,830
about one half minute remains on the

52
00:04:14,309 --> 00:04:12,789
three minutes 10 seconds in managing

53
00:04:15,830 --> 00:04:14,319
chamber pressure continuing the whole

54
00:04:18,789 --> 00:04:15,840
rock solid

55
00:04:24,710 --> 00:04:18,799
good engine control in the first stage

56
00:04:33,670 --> 00:04:26,310
standing by to go to the partial thrust

57
00:04:33,680 --> 00:04:38,629
you have partial thrust command

58
00:04:41,590 --> 00:04:40,070
now in the partial thrust mode good

59
00:04:42,469 --> 00:04:41,600
chamber pressure in the partial thrust

60
00:04:46,790 --> 00:04:42,479
mode

61
00:04:48,710 --> 00:04:46,800
remainder of first stage flight about 45

62
00:04:50,310 --> 00:04:48,720
seconds

63
00:04:55,189 --> 00:04:50,320

vehicle control continues to be very

64

00:05:00,469 --> 00:04:57,030

three minutes 55 seconds into the flight

65

00:05:03,110 --> 00:05:00,479

altitude 66.9 nautical miles velocity 15

66

00:05:10,150 --> 00:05:03,120

316 feet per second downrange distance

67

00:05:14,310 --> 00:05:11,990

now passing four minutes about 15

68

00:05:17,350 --> 00:05:14,320

seconds now remaining in main engine