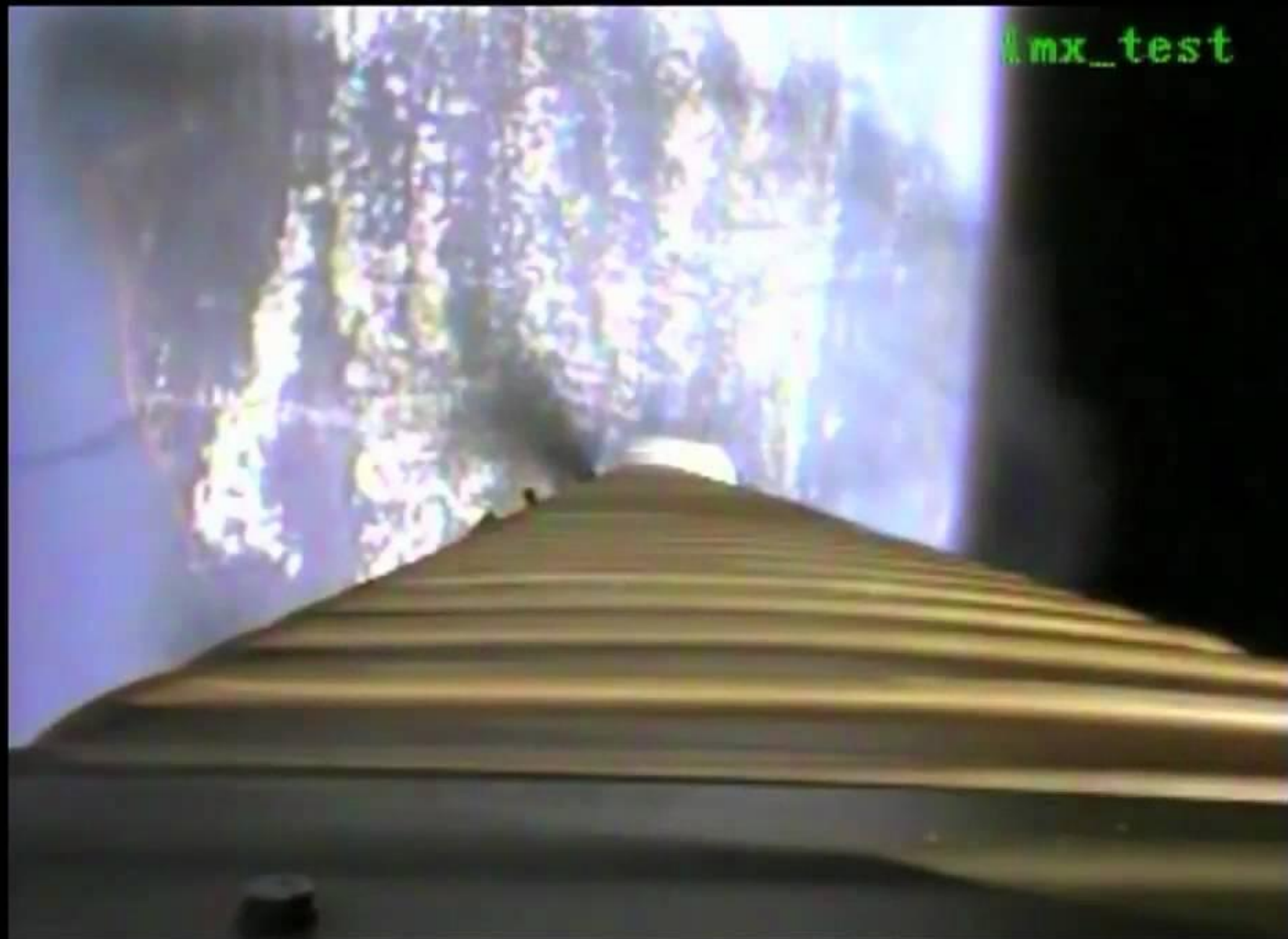


l.mx_test



1
00:00:05,030 --> 00:00:04,070
t minus 10

2
00:00:05,910 --> 00:00:05,040
9

3
00:00:06,869 --> 00:00:05,920
8

4
00:00:07,829 --> 00:00:06,879
7

5
00:00:08,790 --> 00:00:07,839
6

6
00:00:09,750 --> 00:00:08,800
5

7
00:00:10,709 --> 00:00:09,760
4

8
00:00:11,669 --> 00:00:10,719
3

9
00:00:12,629 --> 00:00:11,679
2

10
00:00:13,990 --> 00:00:12,639
1

11
00:00:17,990 --> 00:00:14,000
ignition

12
00:00:20,710 --> 00:00:18,000
and liftoff of the atlas 5 with junco on

13
00:00:22,950 --> 00:00:20,720

a trek to jupiter a planetary piece of

14

00:00:24,070 --> 00:00:22,960

the puzzle on the beginning of our solar

15

00:00:26,070 --> 00:00:24,080

system

16

00:00:28,790 --> 00:00:26,080

patriarch rule program is in progress

17

00:00:37,590 --> 00:00:28,800

vehicle pod rates look good

18

00:00:50,549 --> 00:00:39,670

rd180 operation looks excellent at this

19

00:00:50,559 --> 00:00:53,830

mach 1

20

00:00:53,840 --> 00:01:01,990

chambers continue to roll off

21

00:01:04,549 --> 00:01:03,189

max q

22

00:01:09,030 --> 00:01:04,559

booster is throttling up right on

23

00:01:14,310 --> 00:01:10,550

release reviews gone to close loop

24

00:01:18,870 --> 00:01:16,630

looking for our srv throttle down

25

00:01:29,109 --> 00:01:18,880

momentarily

26

00:01:33,190 --> 00:01:31,749

and booster has throttled back

27

00:01:35,429 --> 00:01:33,200

looking for srb

28

00:01:37,030 --> 00:01:35,439

burnout soon

29

00:01:40,950 --> 00:01:37,040

chamber pressures have plateaued on the

30

00:01:40,960 --> 00:01:47,429

and we're beginning to roll off

31

00:01:58,709 --> 00:01:49,270

and bota has been satisfied vehicles

32

00:02:02,310 --> 00:02:00,709

and we have solids one two three four

33

00:02:03,749 --> 00:02:02,320

and five jettison

34

00:02:12,550 --> 00:02:03,759

visual indication that all solids have

35

00:02:17,830 --> 00:02:14,470

and the booster has begun its role for

36

00:02:20,390 --> 00:02:17,840

spacecraft thermal constraints

37

00:02:25,270 --> 00:02:20,400

rates look good plus better voltages are

38

00:02:30,390 --> 00:02:26,949

and the vehicle has now gone into closed

39

00:02:34,070 --> 00:02:32,390

and booster pu is also in closed loop

40

00:02:36,710 --> 00:02:34,080

control engine response looks good for

41

00:02:40,229 --> 00:02:36,720

the set mixed ratio

42

00:02:42,869 --> 00:02:40,239

current altitude is 45.8 miles

43

00:02:45,470 --> 00:02:42,879

in altitude downrange distance 69 miles

44

00:02:45,480 --> 00:02:52,309

5413 miles per hour

45

00:02:57,190 --> 00:02:54,869

coming up on our

46

00:02:58,309 --> 00:02:57,200

rsc pyro valve activation it is now

47

00:02:59,830 --> 00:02:58,319

fired

48

00:03:01,350 --> 00:02:59,840

system is now pressurizing the flight

49

00:03:02,790 --> 00:03:01,360

levels

50

00:03:05,030 --> 00:03:02,800

we've begun our two and a half g

51
00:03:09,589 --> 00:03:05,040
throttle segment engine response looks

52
00:03:13,589 --> 00:03:11,270
current altitude is

53
00:03:17,110 --> 00:03:13,599
60 miles in altitude downrange distance

54
00:03:32,550 --> 00:03:17,830
nine velocity is

55
00:03:36,070 --> 00:03:34,550
coming up on our next mark event will be

56
00:03:45,350 --> 00:03:36,080
pale foreign jettison followed by the

57
00:03:45,360 --> 00:03:49,190
and we have paleofrying jettison

58
00:03:49,200 --> 00:03:52,550
and cfr jettison

59
00:04:04,149 --> 00:03:55,509
boosters throttle back up to full thrust

60
00:04:17,270 --> 00:04:07,589
now accelerating at 4.7 gs as we work

61
00:04:22,150 --> 00:04:19,509
boost space cooldown is underway now

62
00:04:33,270 --> 00:04:22,160
throttling to maintain 5gs

63
00:04:36,950 --> 00:04:35,430

and the gun throttling to 4.6 gs in

64

00:04:43,670 --> 00:04:36,960

preparation for beco boost phase

65

00:04:43,680 --> 00:04:49,510

we have beco engine shutdown looks good

66

00:04:55,990 --> 00:04:53,430

we have retros and stage separation

67

00:05:01,270 --> 00:04:56,000

we have locks and fuel pre-start rcs gen

68

00:05:01,280 --> 00:05:08,830

we have ignition and full thrust on the

69

00:05:13,990 --> 00:05:11,670

rl-10 centaur closed loop steering has

70

00:05:16,230 --> 00:05:14,000

been enabled small body rates associated

71

00:05:18,230 --> 00:05:16,240

with closed loop steering

72

00:05:21,749 --> 00:05:18,240

vehicle tank pressures are being ramped

73

00:05:25,830 --> 00:05:23,670

centaur pu has been commanded to

74

00:05:36,790 --> 00:05:25,840

oxidizer rich fixed angles for the early

75

00:05:44,790 --> 00:05:39,670

current altitude is 112 miles downrange

76

00:05:47,029 --> 00:05:44,800

distance is 589 miles velocity is 14 318

77

00:05:49,029 --> 00:05:47,039

miles per hour

78

00:05:50,790 --> 00:05:49,039

range track shows the vehicle