
Pad Lightning NE
05/06/15 04:36:40

1
00:00:05,590 --> 00:00:03,510
good morning from cape canaveral air

2
00:00:07,990 --> 00:00:05,600
force station in florida where the

3
00:00:11,190 --> 00:00:08,000
spacex crew dragon

4
00:00:13,030 --> 00:00:11,200
poised on space launch complex 40 is set

5
00:00:16,070 --> 00:00:13,040
to take flight for the first time during

6
00:00:17,750 --> 00:00:16,080
what is called a pad abort test this

7
00:00:19,429 --> 00:00:17,760
test will not have any crew members

8
00:00:21,990 --> 00:00:19,439
aboard the spacecraft but it will

9
00:00:24,070 --> 00:00:22,000
simulate an emergency escape from the

10
00:00:26,230 --> 00:00:24,080
launch pad in the unlikely case of a

11
00:00:28,070 --> 00:00:26,240
booster failing at liftoff or another

12
00:00:30,630 --> 00:00:28,080
scenario that would threaten astronauts

13
00:00:33,190 --> 00:00:30,640

inside the spacecraft

14
00:00:34,790 --> 00:00:33,200
we're uh about 24 minutes 12 seconds

15
00:00:37,590 --> 00:00:34,800
away from the test

16
00:00:40,150 --> 00:00:37,600
everything is on schedule for a t-zero

17
00:00:41,830 --> 00:00:40,160
at 9 00 a.m eastern time

18
00:00:44,470 --> 00:00:41,840
this test will see the crew dragon

19
00:00:45,750 --> 00:00:44,480
spacecraft and trunk together about 20

20
00:00:48,310 --> 00:00:45,760
feet tall

21
00:00:49,750 --> 00:00:48,320
fly on the power of eight super draco

22
00:00:52,229 --> 00:00:49,760
engines

23
00:00:54,630 --> 00:00:52,239
these hyper golic fueled super dracos

24
00:00:56,869 --> 00:00:54,640
each produce fifteen thousand pounds of

25
00:00:58,790 --> 00:00:56,879
thrust and they're expected to burn for

26
00:01:01,430 --> 00:00:58,800
about six seconds and lift the

27
00:01:03,510 --> 00:01:01,440
spacecraft about 5000 feet above the

28
00:01:05,830 --> 00:01:03,520
launch pad before it parachutes into the

29
00:01:07,510 --> 00:01:05,840
atlantic ocean about a mile offshore

30
00:01:09,109 --> 00:01:07,520
from the launch pad

31
00:01:11,830 --> 00:01:09,119
and the test will last only about a

32
00:01:14,390 --> 00:01:11,840
minute and a half

33
00:01:16,390 --> 00:01:14,400
what you would expect because spacex is

34
00:01:17,990 --> 00:01:16,400
trying to show just how fast it can get

35
00:01:20,710 --> 00:01:18,000
astronauts away from a dangerous

36
00:01:26,469 --> 00:01:23,670
here's a video of a demonstration of a

37
00:01:29,109 --> 00:01:26,479
pad abort profile

38
00:01:32,789 --> 00:01:29,119

with two engines with two super draco

39
00:01:35,350 --> 00:01:32,799
engines that were fired recently at

40
00:01:59,030 --> 00:01:35,360
the texas mcgregor facility the rocket

41
00:02:04,149 --> 00:02:00,950
and that will give you some idea of what

42
00:02:06,389 --> 00:02:04,159
awaits us in about 22 minutes 40 seconds

43
00:02:08,070 --> 00:02:06,399
from now

44
00:02:10,309 --> 00:02:08,080
weather forecasters from the u.s air

45
00:02:12,790 --> 00:02:10,319
force 45th weather squadron continue to

46
00:02:15,350 --> 00:02:12,800
predict a 70 percent chance of favorable

47
00:02:17,510 --> 00:02:15,360
weather during the test

48
00:02:20,710 --> 00:02:17,520
right now there are no

49
00:02:23,110 --> 00:02:20,720
launch commit criteria

50
00:02:25,350 --> 00:02:23,120
issues everything is go

51
00:02:27,350 --> 00:02:25,360
there is a tropical low in the vicinity

52
00:02:28,229 --> 00:02:27,360
but it continues to move off to the

53
00:02:30,710 --> 00:02:28,239
north

54
00:02:34,710 --> 00:02:30,720
and uh as the day progresses should

55
00:02:37,030 --> 00:02:34,720
there be a need we expect that the uh

56
00:02:38,790 --> 00:02:37,040
that the low will pull away and all the

57
00:02:40,869 --> 00:02:38,800
weather will get even better than it is

58
00:02:45,030 --> 00:02:40,879
right now but again right now we're

59
00:02:45,990 --> 00:02:45,040
completely go no issues whatsoever

60
00:02:49,110 --> 00:02:46,000
we're at