
CONNAISSANC
RBITER
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Exploration Systems, NASA's Chief Lunar Scientist

1
00:00:05,430 --> 00:00:01,990
okay we're five minutes out from the

2
00:00:06,389 --> 00:00:05,440
burn this is the final go no go pull

3
00:00:07,749 --> 00:00:06,399
we're sitting in the lunar

4
00:00:09,509 --> 00:00:07,759
reconnaissance orbiter mission

5
00:00:11,830 --> 00:00:09,519
operations center in preparation for

6
00:00:13,749 --> 00:00:11,840
lunar orbit insertion now in just a few

7
00:00:15,270 --> 00:00:13,759
minutes the control engineers behind me

8
00:00:17,029 --> 00:00:15,280
will begin the burn that will put the

9
00:00:18,550 --> 00:00:17,039
spacecraft in position to be captured by

10
00:00:20,870 --> 00:00:18,560
the moon's orbit

11
00:00:23,590 --> 00:00:20,880
i can i can barely contain myself you

12
00:00:25,830 --> 00:00:23,600
know i was just so excited i'm i'm like

13
00:00:27,830 --> 00:00:25,840

nervous happy excited all at the same

14
00:00:29,669 --> 00:00:27,840
time and um this is the moment that

15
00:00:30,710 --> 00:00:29,679
we've all been waiting for you know all

16
00:00:31,910 --> 00:00:30,720
these years

17
00:00:34,229 --> 00:00:31,920
emmy go

18
00:00:35,350 --> 00:00:34,239
systems go

19
00:00:36,229 --> 00:00:35,360
fido

20
00:00:39,430 --> 00:00:36,239
go

21
00:00:40,310 --> 00:00:39,440
software

22
00:00:41,510 --> 00:00:40,320
go

23
00:00:42,310 --> 00:00:41,520
gnc

24
00:00:45,510 --> 00:00:42,320
go

25
00:00:46,790 --> 00:00:45,520
prop

26
00:00:53,110 --> 00:00:46,800
go

27
00:00:55,590 --> 00:00:53,120
uh the lunar orbit insertion burn uh is

28
00:00:57,510 --> 00:00:55,600
what we use to help change lro's

29
00:01:00,389 --> 00:00:57,520
velocity so that the moon will be able

30
00:01:02,150 --> 00:01:00,399
to capture lro and once the moon

31
00:01:05,590 --> 00:01:02,160
captures lro then we'll be able to lower

32
00:01:07,750 --> 00:01:05,600
it into its orbit and begin our mission

33
00:01:10,789 --> 00:01:07,760
it's funny i was driving in this morning

34
00:01:14,390 --> 00:01:10,799
and it's just so calm and so quiet and

35
00:01:16,789 --> 00:01:14,400
so peaceful outside and yet in here the

36
00:01:18,789 --> 00:01:16,799
the excitement is just palpable this is

37
00:01:19,990 --> 00:01:18,799
the most important step of the mission

38
00:01:21,990 --> 00:01:20,000

right now that we've been dreaming of

39
00:01:23,590 --> 00:01:22,000
for the last five years so much more to

40
00:01:38,630 --> 00:01:23,600
be done at this moment lro is our

41
00:01:42,710 --> 00:01:41,270
we have to take on great challenges as a

42
00:01:45,749 --> 00:01:42,720
nation and that's one of the things that

43
00:01:47,749 --> 00:01:45,759
makes america makes us who we are

44
00:01:49,510 --> 00:01:47,759
in addition i think missions like lro

45
00:01:51,510 --> 00:01:49,520
are so important because they bring out

46
00:01:53,990 --> 00:01:51,520
the best of our spirit they bring out

47
00:01:55,510 --> 00:01:54,000
the most innovative of us they allow us

48
00:01:57,109 --> 00:01:55,520
to work in the high-tech areas that

49
00:01:59,270 --> 00:01:57,119
really help drive our economy so there's

50
00:02:01,109 --> 00:01:59,280
so many reasons to be proud of this

51
00:02:03,429 --> 00:02:01,119
mission not just scientific although the

52
00:02:06,069 --> 00:02:03,439
scientific stuff is great too

53
00:02:08,309 --> 00:02:06,079
congratulations to all of us on lro we