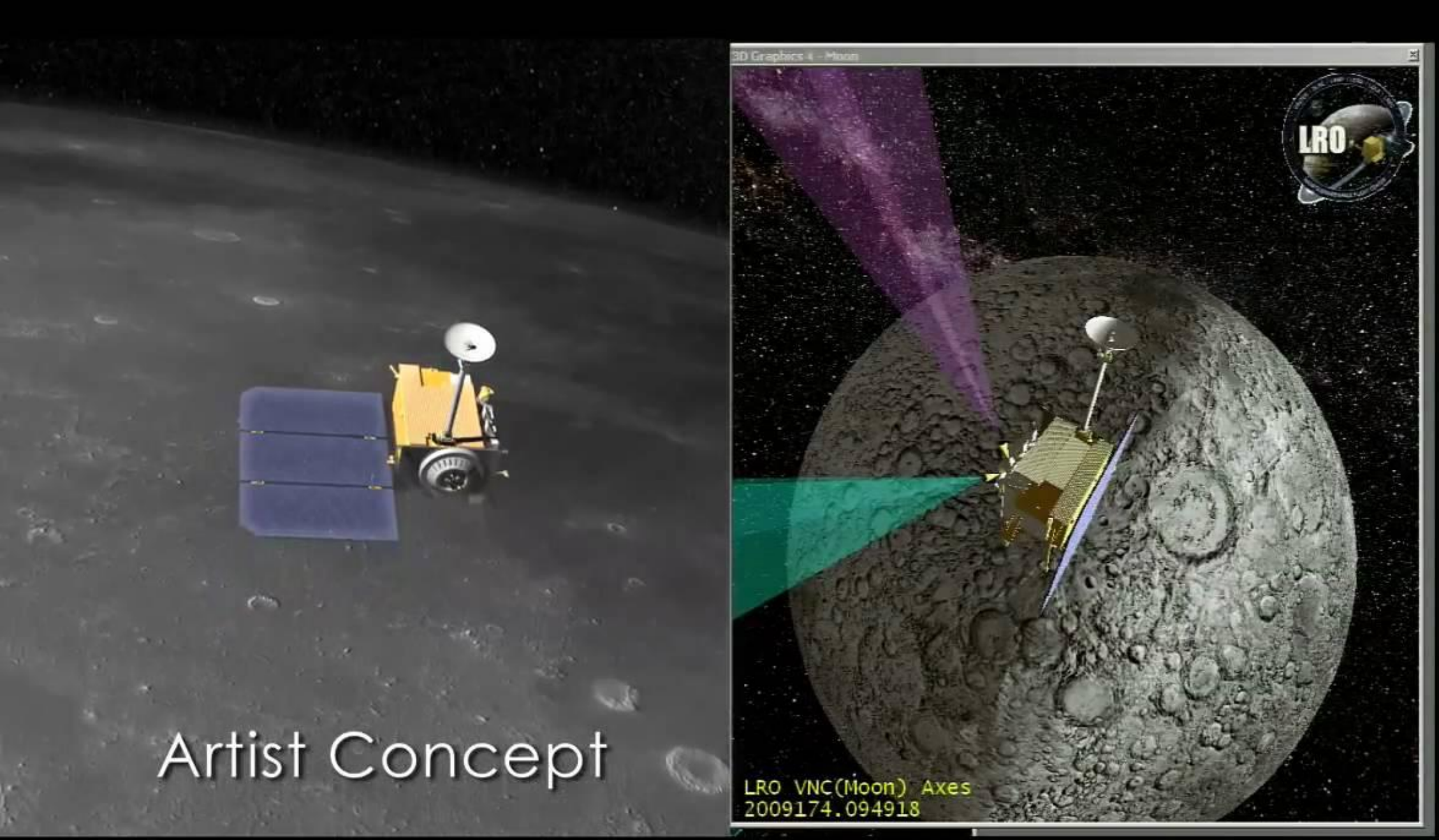
Artist Concept
3D Graphics 4 - Moon
LRO
LRO VNC(Moon) Axes
2009174.094918

1
00:00:00,000 --> 00:00:04,130
[music]

2
00:00:06,160 --> 00:00:11,200
[flight director] Okay we're five minutes out from the burn. This is the final go / no-go pool.

3
00:00:11,220 --> 00:00:15,270
[Nancy Neal-Jones] We're sitting in the Lunar Reconnaissance Orbiter mission operations center in preperation

4
00:00:15,290 --> 00:00:19,420
for lunar orbit insertion. Now in just a few minutes the control engineers behind

5
00:00:19,440 --> 00:00:24,460
me will begin the burn that will put the spacecraft in postition to be captured by the moon's orbit.

6
00:00:24,480 --> 00:00:29,600
[Cathy Peddie] I can barely contain myself. You know, it's just so exciting. I'm like

7
00:00:29,620 --> 00:00:33,750
nervous, happy, excited, all at the same time and this is the

8
00:00:33,770 --> 00:00:36,940
moment that we've all been waiting for for all these years.

9
00:00:36,960 --> 00:00:37,950
[various operations controllers] ME go.

10
00:00:37,970 --> 00:00:40,050
Systems? Go.

11
00:00:40,070 --> 00:00:42,070
FIDO? Go.

12
00:00:42,090 --> 00:00:44,170
CBH? Go.

13
00:00:44,190 --> 00:00:46,190

Software? Go.

14
00:00:46,210 --> 00:00:48,310
GMNC? Go.

15
00:00:48,330 --> 00:00:50,340
ECS Hardware? Go.

16
00:00:50,360 --> 00:00:52,440
Prop? Go.

17
00:00:52,460 --> 00:00:54,470
Okay, all systems are go.

18
00:00:55,550 --> 00:00:59,610
[Cathy Peddie] The lunar orbit insertion burn is what we

19
00:00:59,630 --> 00:01:03,700
use to help change LRO's velocity so that moon will be able to

20
00:01:03,710 --> 00:01:07,800
"capture" LRO. And once the moon captures LRO then we'll be

21
00:01:07,820 --> 00:01:10,840
able to lower it into its orbit and begin our mission.

22
00:01:10,860 --> 00:01:13,840
[Mike Wargo] It's funny, I was driving in this morning and

23
00:01:13,870 --> 00:01:17,990
it's just so calm and so quiet and so peaceful outside.

24
00:01:18,010 --> 00:01:23,030
And yet in here, the excitement is just palpable.

25
00:01:23,050 --> 00:01:27,050
[Jim Garvin] This is the most important step of the mission right now that we've been dreaming of for the last fi

26
00:01:27,070 --> 00:01:30,200
So much more to be done at this moon, LRO is our gateway.

27
00:01:31,280 --> 00:01:35,320
[flight director] All stations, this is flight, congratulations on a successful LOI

28
00:01:35,340 --> 00:01:38,340
LRO has returned NASA to the moon.

29
00:01:44,710 --> 00:01:41,550
[cheers and applause]

30
00:01:44,730 --> 00:01:47,710
[Laurie Leshin] We have to take on great challenges as a nation,

31
00:01:47,730 --> 00:01:51,720
and that's one of the things that makes America, it makes us who we are.

32
00:01:51,740 --> 00:01:55,920
In addition, I think missions like LRO are so important because the bring out the best

33
00:01:55,940 --> 00:02:00,120
of our spirit. They bring out the most innovative of us. They allow

34
00:02:00,140 --> 00:02:04,260
us to work in the high-tech areas that really help drive our economy. So there's so many reasons

35
00:02:04,280 --> 00:02:09,430
we should be proud of this mission. Not just scientific, although the scientific stuff is great too.

36
00:02:09,450 --> 00:02:11,480
[Cathy Peddie] Congratulations to all of us on LRO.

37
00:02:11,490 --> 00:02:13,650
We did it, we're at the moon,

38
00:02:13,670 --> 00:02:16,790

you all totally rock.