



1
00:00:08,580 --> 00:00:06,420
Griffin bangala t babe here the eagle

2
00:00:10,619 --> 00:00:08,590
has landed rocket when I was a little

3
00:00:11,730 --> 00:00:10,629
girl and people were always asking me

4
00:00:13,350 --> 00:00:11,740
what do you want to be when you grow up

5
00:00:17,730 --> 00:00:13,360
and I saw has no I'm gonna work up there

6
00:00:19,620 --> 00:00:17,740
as an engineer you dream of a job like

7
00:00:21,660 --> 00:00:19,630
this where you get to follow in the

8
00:00:24,420 --> 00:00:21,670
footsteps of some of your childhood

9
00:00:28,500 --> 00:00:24,430
heroes and then of course for me the

10
00:00:31,800 --> 00:00:28,510
Apollo missions seeing these folks on TV

11
00:00:33,779 --> 00:00:31,810
step on the moon and work for NASA as an

12
00:00:35,639 --> 00:00:33,789
engineer it's just a dream to be able to

13
00:00:44,069 --> 00:00:35,649

say you know I want to do that too and

14

00:00:46,649 --> 00:00:44,079

Here I am hi I'm Cathy Peddie and I've

15

00:00:48,119 --> 00:00:46,659

got the coolest job at NASA I get to

16

00:00:50,069 --> 00:00:48,129

work on a project called the lunar

17

00:00:52,590 --> 00:00:50,079

reconnaissance orbiter project or LRO

18

00:00:54,000 --> 00:00:52,600

we're going back to the moon and guess

19

00:00:55,829 --> 00:00:54,010

what we're doing right now we're

20

00:00:57,660 --> 00:00:55,839

building all the parts of the spacecraft

21

00:01:00,719 --> 00:00:57,670

at Goddard Space Flight Center in

22

00:01:03,840 --> 00:01:00,729

Maryland the LRO instrument suite is

23

00:01:06,480 --> 00:01:03,850

comprised of six instruments and one

24

00:01:09,210 --> 00:01:06,490

technology demonstrator and they are

25

00:01:12,120 --> 00:01:09,220

geared towards providing us of a variety

26
00:01:15,750 --> 00:01:12,130
of datasets ranging from a thermal map

27
00:01:17,760 --> 00:01:15,760
of the Moon global topography and most

28
00:01:20,670 --> 00:01:17,770
importantly looking for resources like

29
00:01:22,920 --> 00:01:20,680
water ice on the moon the entire suite

30
00:01:25,440 --> 00:01:22,930
should provide more of an atlas as

31
00:01:28,380 --> 00:01:25,450
opposed to a map so that we know where

32
00:01:30,270 --> 00:01:28,390
to go on the moon we're to have the safe

33
00:01:32,400 --> 00:01:30,280
landing sites and where to put things

34
00:01:34,740 --> 00:01:32,410
like lunar outpost in the hopes of

35
00:01:57,350 --> 00:01:34,750
having human exploration in the near

36
00:02:02,210 --> 00:02:00,050
all of our instruments have been built

37
00:02:07,130 --> 00:02:02,220
so right now they're they're all being

38
00:02:08,600 --> 00:02:07,140

qualified our propulsion tanks all the

39

00:02:10,880 --> 00:02:08,610

fuel that's going to take us to the moon

40

00:02:14,630 --> 00:02:10,890

and get us into the orbit already done

41

00:02:18,800 --> 00:02:14,640

completed so we're we're in the throes

42

00:02:21,170 --> 00:02:18,810

of the assembly sequence all the

43

00:02:23,120 --> 00:02:21,180

engineers and technicians and all of our

44

00:02:25,340 --> 00:02:23,130

business folks are working very hard to

45

00:02:27,230 --> 00:02:25,350

make sure that we successfully integrate

46

00:02:35,179 --> 00:02:27,240

it and test it and get ready for our

47

00:02:42,319 --> 00:02:39,000

if i were to dream I I would love to see

48

00:02:46,800 --> 00:02:42,329

that LOL lived way beyond decades beyond

49

00:02:49,530 --> 00:02:46,810

its its supposed life and was able to do

50

00:02:52,920 --> 00:02:49,540

more than what we said it would do and

51
00:02:56,550 --> 00:02:52,930
maybe discover something that would not

52
00:02:58,770 --> 00:02:56,560
only enable human exploration but do

53
00:03:01,170 --> 00:02:58,780
something that just made it happen like

54
00:03:04,770 --> 00:03:01,180
a lot quicker or we look back on the

55
00:03:06,390 --> 00:03:04,780
earth and we were able to help life here

56
00:03:08,670 --> 00:03:06,400
on earth because of something that we

57
00:03:10,710 --> 00:03:08,680
never even thought of because of of the