



1  
00:00:11,530 --> 00:00:08,419  
collected it and made the surface is

2  
00:00:14,480 --> 00:00:11,540  
older than fair number of the odds

3  
00:00:18,680 --> 00:00:14,490  
tactic a skilled artisan in terms of

4  
00:00:20,269 --> 00:00:18,690  
simple America a scraper of some sort in

5  
00:00:22,609 --> 00:00:20,279  
just a few here so the individual

6  
00:00:24,470 --> 00:00:22,619  
minerals will separate and grow big this

7  
00:00:29,720 --> 00:00:24,480  
one pulled off in just a few tenths

8  
00:00:31,550 --> 00:00:29,730  
after and turns solid are one you

9  
00:00:52,229 --> 00:00:31,560  
weren't expecting that way it pass it

10  
00:01:06,280 --> 00:00:54,850  
thank you all for crime scene either an

11  
00:01:07,540 --> 00:01:06,290  
astral I am the NASA so while we have

12  
00:01:10,940 --> 00:01:07,550  
these commercial companies helping us

13  
00:01:31,520 --> 00:01:12,899

you know my other favorite thing of

14

00:01:37,440 --> 00:01:34,560

you see the mountains inside the craters

15

00:01:39,090 --> 00:01:37,450

missing other casting a shadow now if

16

00:01:45,140 --> 00:01:39,100

you were to stand here long enough you

17

00:02:02,240 --> 00:01:59,450

oh that's the double cluster this is a

18

00:02:03,470 --> 00:02:02,250

woman there's the envision it actually

19

00:02:04,850 --> 00:02:03,480

was a big guy is one of the most

20

00:02:08,270 --> 00:02:04,860

exciting objects in the solar system

21

00:02:10,520 --> 00:02:08,280

like a big tile in the closest one the

22

00:02:16,250 --> 00:02:10,530

cross is give it a most exciting well

23

00:02:18,949 --> 00:02:16,260

yeah because it's and then those two

24

00:02:21,860 --> 00:02:18,959

moons will actually through the night

25

00:02:24,800 --> 00:02:21,870

switch places because they're moving

26

00:02:31,500 --> 00:02:24,810

that quickly it's the two closer eye on

27

00:02:35,590 --> 00:02:34,000

certainly work at JPL car you see China

28

00:02:38,250 --> 00:02:35,600

robotics we have Russian language

29

00:02:40,750 --> 00:02:38,260

training plan a rush appeal I'm so

30

00:02:43,330 --> 00:02:40,760

aggressively not i wouldn't say school

31

00:02:45,160 --> 00:02:43,340

it but not bad did you speak any other

32

00:02:53,400 --> 00:02:45,170

language lock before hand smoke a little

33

00:03:06,360 --> 00:03:03,950

I hope this summer you see y'all for

34

00:03:09,060 --> 00:03:06,370

Barney been there but we have tickets

35

00:03:11,130 --> 00:03:09,070

for Burfoot well Katya to me it's more

36

00:03:13,410 --> 00:03:11,140

of a question of living off the planet

37

00:03:15,810 --> 00:03:13,420

on another another one another planet

38

00:03:22,400 --> 00:03:15,820

the moon is kind of like a plan in which

39

00:03:25,220 --> 00:03:22,410

you can live ready to go to the stars

40

00:03:27,780 --> 00:03:25,230

you're my people I figured that would be

41

00:03:29,670 --> 00:03:27,790

one of the other is sort of the sets of

42

00:03:34,830 --> 00:03:29,680

pushes that inspire you but what we say

43

00:03:36,840 --> 00:03:34,840

at NASA is the exists another thing who

44

00:03:39,090 --> 00:03:36,850

said NASA is that's the best place to

45

00:03:40,860 --> 00:03:39,100

work in the country it is there's also

46

00:03:42,870 --> 00:03:40,870

some gets in your grasp then your reach

47

00:03:47,080 --> 00:03:42,880

thanks to massive anyway got any

48

00:03:51,160 --> 00:03:49,119

shuttle missions we visited to this

49

00:03:53,860 --> 00:03:51,170

little bit there she's going to be there

50

00:03:56,440 --> 00:03:53,870

for six months probably on a Soyuz going

51  
00:04:01,540 --> 00:03:56,450  
up on a Russian space ship so you have a

52  
00:04:02,830 --> 00:04:01,550  
wide variety of backgrounds and 19 there

53  
00:04:05,199 --> 00:04:02,840  
are a number of companies out there that

54  
00:04:07,000 --> 00:04:05,209  
are working hard SpaceX is probably when

55  
00:04:09,039 --> 00:04:07,010  
you hear most about but we've got

56  
00:04:10,690 --> 00:04:09,049  
several other companies out there Sierra

57  
00:04:13,119 --> 00:04:10,700  
Nevada the origin other ones out there

58  
00:04:14,650 --> 00:04:13,129  
working on building American vehicles in

59  
00:04:17,650 --> 00:04:14,660  
the air or flight testing since those

60  
00:04:19,150 --> 00:04:17,660  
things are on launch pads now Keith one

61  
00:04:21,490 --> 00:04:19,160  
important way my first place walking a

62  
00:04:23,460 --> 00:04:21,500  
look around much at all because I was a

63  
00:04:26,190 --> 00:04:23,470

dick was more concerned about you know

64

00:04:29,200 --> 00:04:26,200

I'd have that much time and that's my

65

00:04:30,640 --> 00:04:29,210

second flight the less space walk I

66

00:04:40,719 --> 00:04:30,650

actually got finished up before my

67

00:04:42,400 --> 00:04:40,729

partner but I'm all ready to go do that

68

00:04:44,110 --> 00:04:42,410

we open the hatch now go out and we were

69

00:04:46,180 --> 00:04:44,120

over top the Amazon rainforest and

70

00:04:47,290 --> 00:04:46,190

there's a clear day I really complicated

71

00:04:48,550 --> 00:04:47,300

rack system here to go mount these

72

00:04:50,020 --> 00:04:48,560

things it's kind of weird key in lock

73

00:04:51,219 --> 00:04:50,030

system a tree was on the ground and it

74

00:04:52,719 --> 00:04:51,229

was still kind of like the right

75

00:04:54,430 --> 00:04:52,729

business in moment it's the right in the

