



Spaceto**Ground**

1
00:00:05,590 --> 00:00:02,790
foreign

2
00:00:09,350 --> 00:00:05,600
[Music]

3
00:00:10,730 --> 00:00:09,360
I'm nilifa ramji two spacewalks a cargo

4
00:00:13,190 --> 00:00:10,740
resupply Mission and science

5
00:00:14,690 --> 00:00:13,200
investigations continue the crew is hard

6
00:00:15,829 --> 00:00:14,700
at work aboard the International Space

7
00:00:18,529 --> 00:00:15,839
Station

8
00:00:20,810 --> 00:00:18,539
on Tuesday November 15th Expedition 68

9
00:00:23,450 --> 00:00:20,820
flight Engineers Josh Casada and Frank

10
00:00:25,670 --> 00:00:23,460
Rubio began a spacewalk lasting 7 hours

11
00:00:27,710 --> 00:00:25,680
and 11 minutes to assemble a mounting

12
00:00:29,750 --> 00:00:27,720
bracket on the starboard side of the

13
00:00:31,910 --> 00:00:29,760

station's truss assembly in preparation

14

00:00:34,030 --> 00:00:31,920

for the installation of a pair of

15

00:00:36,530 --> 00:00:34,040

rollout solo Rays on the space station

16

00:00:37,910 --> 00:00:36,540

these new rollout solar arrays will

17

00:00:40,369 --> 00:00:37,920

augment the Space Station's power

18

00:00:43,010 --> 00:00:40,379

generation system this spacewalk was a

19

00:00:44,869 --> 00:00:43,020

first for both Rubio and Casada on

20

00:00:46,970 --> 00:00:44,879

Thursday November 17th the second

21

00:00:48,650 --> 00:00:46,980

spacewalk of the week took place this

22

00:00:51,110 --> 00:00:48,660

time with Russian cosmonaut Sergey

23

00:00:53,209 --> 00:00:51,120

prokopiev and Dimitri petalin the duo

24

00:00:55,250 --> 00:00:53,219

exited the Noka multi-purpose laboratory

25

00:00:57,410 --> 00:00:55,260

module to prepare a radiator for

26

00:00:58,430 --> 00:00:57,420

transfer from the rest of it module to

27

00:01:00,650 --> 00:00:58,440

Noka

28

00:01:03,470 --> 00:01:00,660

new science investigations technology

29

00:01:05,329 --> 00:01:03,480

demonstrations and supplies will soon be

30

00:01:07,730 --> 00:01:05,339

on route to the orbiting laboratory with

31

00:01:08,690 --> 00:01:07,740

spacex's 26th commercial resupply

32

00:01:10,490 --> 00:01:08,700

mission

33

00:01:12,830 --> 00:01:10,500

scheduled to launch to the space station

34

00:01:14,750 --> 00:01:12,840

on Monday November 21st the dragon

35

00:01:16,670 --> 00:01:14,760

spacecraft includes demonstrations that

36

00:01:18,289 --> 00:01:16,680

explore growing plants in space creating

37

00:01:20,570 --> 00:01:18,299

nutrients on demand in space

38

00:01:22,370 --> 00:01:20,580

construction and more one of the

39

00:01:24,109 --> 00:01:22,380

investigations called Moon microscope

40

00:01:26,510 --> 00:01:24,119

tests a kit for in-flight medical

41

00:01:28,249 --> 00:01:26,520

diagnosis the kit includes a portable

42

00:01:30,050 --> 00:01:28,259

handheld microscope and a small

43

00:01:32,570 --> 00:01:30,060

self-contained blood sampling staining

44

00:01:35,030 --> 00:01:32,580

device an astronaut collects and stains

45

00:01:37,249 --> 00:01:35,040

a blood sample obtains images with the

46

00:01:38,870 --> 00:01:37,259

microscope and transmits images to the

47

00:01:41,030 --> 00:01:38,880

ground where flight surgeons could use

48

00:01:42,469 --> 00:01:41,040

them to diagnose illness and prescribe

49

00:01:45,530 --> 00:01:42,479

treatment based

50

00:01:49,010 --> 00:01:45,540

and liftoff of Artemis one we rise

51
00:01:51,410 --> 00:01:49,020
together back to the moon and Beyond

52
00:01:53,389 --> 00:01:51,420
following a spectacular nighttime launch

53
00:01:55,850 --> 00:01:53,399
from Florida the Journey of the Artemis

54
00:01:57,289 --> 00:01:55,860
One mission to the Moon is underway we

55
00:01:59,270 --> 00:01:57,299
invite you to follow all of the latest

56
00:02:01,370 --> 00:01:59,280
updates of the flight on NASA's social

57
00:02:03,170 --> 00:02:01,380
media and for more insight on the

58
00:02:06,170 --> 00:02:03,180
mission of Artemis 1 be sure to watch

59
00:02:08,089 --> 00:02:06,180
episodes of Artemis All Access

60
00:02:09,770 --> 00:02:08,099
and that's Beast to Grand for now thanks

61
00:02:09,990 --> 00:02:09,780
so much for watching we'll see you next

62
00:02:14,710 --> 00:02:10,000
week

63
00:02:18,410 --> 00:02:14,720

[Music]