



Space to Ground

1
00:00:05,769 --> 00:00:02,790
foreign

2
00:00:09,110 --> 00:00:05,779
[Music]

3
00:00:11,870 --> 00:00:09,120
I'm Kayla LaFrance it was a very active

4
00:00:15,530 --> 00:00:11,880
week outside of the orbiting Laboratory

5
00:00:18,050 --> 00:00:15,540
Expedition 69 Cosmonaut Sergey prokopiev

6
00:00:20,630 --> 00:00:18,060
and Dimitri patelan ventured outside the

7
00:00:22,849 --> 00:00:20,640
poisk airlock to relocate an experiment

8
00:00:25,550 --> 00:00:22,859
airlock from the rods vet module to the

9
00:00:28,790 --> 00:00:25,560
nayuka multi-purpose laboratory module

10
00:00:31,910 --> 00:00:28,800
this complex operation was aided by the

11
00:00:34,610 --> 00:00:31,920
European agency's robotic arm which was

12
00:00:37,430 --> 00:00:34,620
operated by Cosmonaut Andre fedayev

13
00:00:39,410 --> 00:00:37,440

inside the orbital laboratory the Paris

14

00:00:41,930 --> 00:00:39,420

spacewalkers on their third Excursion

15

00:00:44,630 --> 00:00:41,940

together connected power cables and

16

00:00:46,910 --> 00:00:44,640

completed the airlocks insulation the

17

00:00:49,369 --> 00:00:46,920

experiment airlock originally launched

18

00:00:50,770 --> 00:00:49,379

in May of 2010 on the space shuttle

19

00:00:53,930 --> 00:00:50,780

Atlantis during

20

00:00:56,630 --> 00:00:53,940

sts-127 is designated to transport

21

00:00:58,850 --> 00:00:56,640

payloads outside of the ISS with the

22

00:01:01,069 --> 00:00:58,860

help of a manipulator and return them

23

00:01:04,070 --> 00:01:01,079

inside the station in the interest of

24

00:01:06,350 --> 00:01:04,080

Applied scientific research program the

25

00:01:09,170 --> 00:01:06,360

duo will exit the station again on May

26

00:01:11,810 --> 00:01:09,180

12th live coverage of this Eva will be

27

00:01:14,510 --> 00:01:11,820

provided so follow us on social media or

28

00:01:16,850 --> 00:01:14,520

head over to NASA Television the NASA

29

00:01:19,130 --> 00:01:16,860

app or the agency's website for more

30

00:01:21,710 --> 00:01:19,140

information and times

31

00:01:24,170 --> 00:01:21,720

crew 16 will Don their suits and enter

32

00:01:26,630 --> 00:01:24,180

their dragon Endeavor spacecraft to

33

00:01:29,690 --> 00:01:26,640

undock from Harmony's Zenith port and

34

00:01:32,330 --> 00:01:29,700

re-dock at the module's forward port

35

00:01:35,270 --> 00:01:32,340

this move will free up Harmony's Zenith

36

00:01:38,270 --> 00:01:35,280

port for the docking of Axiom to crew

37

00:01:40,789 --> 00:01:38,280

onboard dragons Freedom spacecraft live

38

00:01:44,090 --> 00:01:40,799

coverage of the Dragon relocation will

39

00:01:46,550 --> 00:01:44,100

begin at 7 A.M Eastern on May 6th

40

00:01:48,770 --> 00:01:46,560

NASA is celebrating the phenomena of

41

00:01:51,950 --> 00:01:48,780

black holes this week two of the Space

42

00:01:54,230 --> 00:01:51,960

Station's external tools nicer and Maxi

43

00:01:56,929 --> 00:01:54,240

have worked in tandem to help us Advance

44

00:01:59,870 --> 00:01:56,939

our knowledge of black holes by studying

45

00:02:02,710 --> 00:01:59,880

x-ray light ejected in the hot energetic

46

00:02:06,230 --> 00:02:02,720

environments near black holes in 2018

47

00:02:08,949 --> 00:02:06,240

Maxie alerted nicer to study an outburst

48

00:02:10,690 --> 00:02:08,959

that led to the discovery of black hole

49

00:02:16,449 --> 00:02:10,700

j1820

50

00:02:19,610 --> 00:02:16,459

sources in the X-ray sky over a few days

51
00:02:21,910 --> 00:02:19,620
nicer captured this transition and its

52
00:02:25,130 --> 00:02:21,920
fading eruption over several months

53
00:02:27,949 --> 00:02:25,140
nicer has also studied changes in black

54
00:02:30,410 --> 00:02:27,959
holes over time allowing scientists to

55
00:02:33,170 --> 00:02:30,420
construct models that can help us better

56
00:02:36,470 --> 00:02:33,180
understand how accretion discs and their

57
00:02:38,030 --> 00:02:36,480
outflows around black holes work nicer

58
00:02:40,610 --> 00:02:38,040
was designed to gather data about

59
00:02:43,130 --> 00:02:40,620
Neutron's stars but it has been proven

60
00:02:45,350 --> 00:02:43,140
to advance Technologies and improved

61
00:02:47,750 --> 00:02:45,360
Communications that will affect the next

62
00:02:49,850 --> 00:02:47,760
generation of human space flight taking

63
00:02:51,890 --> 00:02:49,860

us deeper into space than we ever

64

00:02:53,630 --> 00:02:51,900

thought possible

65

00:02:55,729 --> 00:02:53,640

and that's space to ground for this week

66

00:02:56,449 --> 00:02:55,739

thanks for watching we'll see you next