



# Space to Ground

1  
00:00:00,490 --> 00:00:05,030

[Music]

2  
00:00:08,710 --> 00:00:07,190

welcome to space to ground your weekly

3  
00:00:10,950 --> 00:00:08,720

look at what's happening aboard the

4  
00:00:13,350 --> 00:00:10,960

international space station i'm kayla

5  
00:00:15,350 --> 00:00:13,360

lafrance the work continues outside of

6  
00:00:17,029 --> 00:00:15,360

the space station this week with the

7  
00:00:19,830 --> 00:00:17,039

space walk

8  
00:00:22,550 --> 00:00:19,840

on wednesday ross cosmo's cosmonauts

9  
00:00:24,630 --> 00:00:22,560

oleg artemyev and denise matave

10  
00:00:27,029 --> 00:00:24,640

continued the outfitting of the european

11  
00:00:29,429 --> 00:00:27,039

robotic arm to prepare for future

12  
00:00:31,029 --> 00:00:29,439

payload operations on the orbiting labs

13  
00:00:33,190 --> 00:00:31,039

russian segment

14

00:00:35,030 --> 00:00:33,200

just after the two hours mark the pair

15

00:00:37,670 --> 00:00:35,040

had completed the installation of

16

00:00:40,470 --> 00:00:37,680

cameras on the era's elbow and we're

17

00:00:43,030 --> 00:00:40,480

moving on to the next planned tasks when

18

00:00:45,910 --> 00:00:43,040

oleg reported an unexpected drop of

19

00:00:48,310 --> 00:00:45,920

power voltage in his orlan suit flight

20

00:00:50,470 --> 00:00:48,320

controllers in moscow had the cosmonaut

21

00:00:52,310 --> 00:00:50,480

return back to the poisk airlock and

22

00:00:54,950 --> 00:00:52,320

connect a station power while they

23

00:00:57,350 --> 00:00:54,960

assessed the situation while olog was

24

00:00:59,510 --> 00:00:57,360

never in danger the decision was made to

25

00:01:02,310 --> 00:00:59,520

terminate the eva for the day and

26  
00:01:03,910 --> 00:01:02,320  
returned back inside the station denise

27  
00:01:06,310 --> 00:01:03,920  
performed some cleanup actions

28  
00:01:08,310 --> 00:01:06,320  
surrounding the era before returning to

29  
00:01:11,190 --> 00:01:08,320  
the airlock with his crewmate this

30  
00:01:11,830 --> 00:01:11,200  
spacewalk was the

31  
00:01:14,550 --> 00:01:11,840  
space 252nd

32  
00:01:17,190 --> 00:01:14,560  
in support of the space station it was

33  
00:01:19,350 --> 00:01:17,200  
the seventh career spacewalk for otimiev

34  
00:01:21,350 --> 00:01:19,360  
and the third for motave

35  
00:01:24,230 --> 00:01:21,360  
the crew said goodbye to the spacex

36  
00:01:26,230 --> 00:01:24,240  
dragon resupply ship as it autonomously

37  
00:01:28,550 --> 00:01:26,240  
undocked from the station's harmony

38  
00:01:30,870 --> 00:01:28,560

modules forward port and begin its

39

00:01:33,910 --> 00:01:30,880

journey home dragon took with it more

40

00:01:35,990 --> 00:01:33,920

than 4 000 pounds of station gear and

41

00:01:38,390 --> 00:01:36,000

completed science experiments

42

00:01:39,910 --> 00:01:38,400

scientists and investigators are excited

43

00:01:42,789 --> 00:01:39,920

to get their hands on the returned

44

00:01:45,270 --> 00:01:42,799

experiments including the biosentinel

45

00:01:47,670 --> 00:01:45,280

iss control experiment which brought

46

00:01:50,149 --> 00:01:47,680

back optical measurements that examined

47

00:01:53,910 --> 00:01:50,159

radiation damage accumulated by

48

00:01:56,630 --> 00:01:53,920

sacromiasis ceravicilla cells or budinis

49

00:01:58,630 --> 00:01:56,640

during their time in space biosentinel

50

00:02:01,270 --> 00:01:58,640

also was chosen to fly aboard the

51  
00:02:03,830 --> 00:02:01,280  
artemis-1 mission researchers plan to

52  
00:02:06,789 --> 00:02:03,840  
compare data from the identical payloads

53  
00:02:08,949 --> 00:02:06,799  
aboard the space station artemis 1 and

54  
00:02:11,990 --> 00:02:08,959  
on earth to interpret the effects of

55  
00:02:13,750 --> 00:02:12,000  
space radiation exposure this is a vital

56  
00:02:16,229 --> 00:02:13,760  
piece of knowledge that needs to be

57  
00:02:18,070 --> 00:02:16,239  
understood as we continue to explore

58  
00:02:20,390 --> 00:02:18,080  
beyond earth

59  
00:02:23,030 --> 00:02:20,400  
and speaking of artemis the moon rocket

60  
00:02:25,190 --> 00:02:23,040  
began its first history making steps

61  
00:02:27,830 --> 00:02:25,200  
with a roll out to the launch pad on

62  
00:02:30,070 --> 00:02:27,840  
tuesday night with our site set on a

63  
00:02:32,390 --> 00:02:30,080

return to the moon the international

64

00:02:34,630 --> 00:02:32,400

space station and the research conducted

65

00:02:37,670 --> 00:02:34,640

on the orbiting laboratory is a critical

66

00:02:39,670 --> 00:02:37,680

stepping stone in this journey the iss

67

00:02:41,670 --> 00:02:39,680

is a proving ground expanding our

68

00:02:44,710 --> 00:02:41,680

knowledge and understanding of what it

69

00:02:46,949 --> 00:02:44,720

takes to live and work off our planet

70

00:02:49,270 --> 00:02:46,959

we're conducting experiments and testing

71

00:02:52,229 --> 00:02:49,280

technologies that contribute to artemis

72

00:02:54,390 --> 00:02:52,239

in ways we could not do back on earth

73

00:02:56,869 --> 00:02:54,400

we invite you to follow along as we will

74

00:02:59,509 --> 00:02:56,879

soon be launching artemis 1 to the moon

75

00:03:01,589 --> 00:02:59,519

and back launch is scheduled for monday

76

00:03:03,190 --> 00:03:01,599

august 29th from the kennedy space

77

00:03:04,869 --> 00:03:03,200

center

78

00:03:06,470 --> 00:03:04,879

that's face to ground for this week

79

00:03:10,960 --> 00:03:06,480

thanks for watching we'll see you next