



Spaceto**Ground**

1
00:00:06,070 --> 00:00:02,790
foreign

2
00:00:09,650 --> 00:00:06,080
[Music]

3
00:00:11,870 --> 00:00:09,660
I'm Kayla LaFrance while fully immersed

4
00:00:14,030 --> 00:00:11,880
in scientific research and spacewalks

5
00:00:16,910 --> 00:00:14,040
the crew aboard the International Space

6
00:00:18,710 --> 00:00:16,920
Station is also preparing for an orbital

7
00:00:21,470 --> 00:00:18,720
Rush Hour

8
00:00:24,650 --> 00:00:21,480
on Thursday astronauts Nicole Mann of

9
00:00:27,170 --> 00:00:24,660
NASA and koichiwakata of jaxa went

10
00:00:29,810 --> 00:00:27,180
outside the station's Quest airlock for

11
00:00:32,030 --> 00:00:29,820
a spacewalk the duo spent their time

12
00:00:34,069 --> 00:00:32,040
outside the station completing the

13
00:00:35,810 --> 00:00:34,079

installation of Hardware which was

14

00:00:38,810 --> 00:00:35,820

required to prepare for the next

15

00:00:41,450 --> 00:00:38,820

installation of rollout solo arrays on

16

00:00:43,790 --> 00:00:41,460

the starboard truss structure this was

17

00:00:45,590 --> 00:00:43,800

the pair's second spacewalk together as

18

00:00:47,930 --> 00:00:45,600

they worked to finish the external

19

00:00:49,729 --> 00:00:47,940

installation job that they began on

20

00:00:51,889 --> 00:00:49,739

January 20th

21

00:00:54,049 --> 00:00:51,899

February will be a busy month for

22

00:00:56,569 --> 00:00:54,059

traffic around the space station with

23

00:00:58,729 --> 00:00:56,579

multiple spacecraft leaving and arriving

24

00:01:01,250 --> 00:00:58,739

to the orbiting Laboratory

25

00:01:04,369 --> 00:01:01,260

we will kick off the orbital spaceship

26
00:01:06,289 --> 00:01:04,379
Tango with the departure of progress 81p

27
00:01:08,870 --> 00:01:06,299
from the Russian segment in early

28
00:01:11,450 --> 00:01:08,880
February then we will see the launch of

29
00:01:14,510 --> 00:01:11,460
progress 83p from the baikonur

30
00:01:16,990 --> 00:01:14,520
cosmodrome shortly after followed by its

31
00:01:19,429 --> 00:01:17,000
Rendezvous and docking with the ISS

32
00:01:22,550 --> 00:01:19,439
following this we look forward to

33
00:01:26,270 --> 00:01:22,560
progress 82p departure to make way for

34
00:01:28,490 --> 00:01:26,280
the arrival of 69s the uncrewed soyuz

35
00:01:31,550 --> 00:01:28,500
that will launch on the 20th from the

36
00:01:34,370 --> 00:01:31,560
cosmodrone in baikonur this soyuz will

37
00:01:36,109 --> 00:01:34,380
arrive to the station on the 22nd and

38
00:01:38,749 --> 00:01:36,119

will replace the current soyuz

39

00:01:40,730 --> 00:01:38,759

spacecraft that experienced an external

40

00:01:42,770 --> 00:01:40,740

coolant leak from an orbital debris

41

00:01:46,310 --> 00:01:42,780

strike while docked outside the station

42

00:01:49,069 --> 00:01:46,320

on December 14th and finally NASA's

43

00:01:50,990 --> 00:01:49,079

SpaceX crew 6 mission is targeting the

44

00:01:54,170 --> 00:01:51,000

launch and Dock at the end of the month

45

00:01:56,450 --> 00:01:54,180

as well as always live coverage will be

46

00:01:58,670 --> 00:01:56,460

provided for all upcoming launch and

47

00:02:01,370 --> 00:01:58,680

docking events so follow us on social

48

00:02:04,609 --> 00:02:01,380

Media or head over to NASA Television

49

00:02:06,889 --> 00:02:04,619

the NASA app or the agency's website for

50

00:02:09,529 --> 00:02:06,899

more information and times

51
00:02:12,229 --> 00:02:09,539
on Monday NASA astronaut Frank Rubio

52
00:02:14,030 --> 00:02:12,239
replaced experiment samples and research

53
00:02:16,970 --> 00:02:14,040
Hardware inside the combustion

54
00:02:19,610 --> 00:02:16,980
integrated rack for a study exploring

55
00:02:22,010 --> 00:02:19,620
how fires burn and weightlessness to

56
00:02:25,190 --> 00:02:22,020
improve fire safety techniques in Space

57
00:02:27,589 --> 00:02:25,200
the selfie gel payload is measuring the

58
00:02:30,050 --> 00:02:27,599
amount of heating in a fuel sample to

59
00:02:32,449 --> 00:02:30,060
determine how fuel temperatures affect

60
00:02:35,330 --> 00:02:32,459
material flammability in a microgravity

61
00:02:37,490 --> 00:02:35,340
environment researchers hope to use the

62
00:02:39,650 --> 00:02:37,500
results from this investigation to

63
00:02:41,990 --> 00:02:39,660

improve our understanding of early fire

64

00:02:44,030 --> 00:02:42,000

growth behavior and to help determine

65

00:02:46,670 --> 00:02:44,040

optimal fire suppression techniques

66

00:02:49,009 --> 00:02:46,680

improving fire safety for both here on

67

00:02:50,869 --> 00:02:49,019

Earth and for cruise safety and future

68

00:02:52,790 --> 00:02:50,879

space habitats

69

00:02:55,130 --> 00:02:52,800

and that's space to ground for this week

70

00:02:57,589 --> 00:02:55,140

thanks for watching we invite you to

71

00:03:00,350 --> 00:02:57,599

follow the science on orbit by following

72

00:03:01,880 --> 00:03:00,360

at ISS underscore Research on Twitter

73

00:03:09,490 --> 00:03:01,890

we'll see you next week