



**SPACE**  
**TO**  
**GROUND**

1  
00:00:03,139 --> 00:00:04,330  
Welcome to Space To Ground.

2  
00:00:04,330 --> 00:00:06,550  
Your weekly look at what's happening onboard  
ISS.

3  
00:00:06,550 --> 00:00:08,690  
I'm Nicole Cloutier-Lemasters.

4  
00:00:08,690 --> 00:00:13,080  
Preparations for an unexpected spacewalk have  
been taking place onboard the station...

5  
00:00:13,080 --> 00:00:17,230  
Astronauts Rick Mastracchio and Steve Swanson  
spent much of the week readying their spacesuits

6  
00:00:17,230 --> 00:00:22,210  
for an extravehicular excursion to replace  
a faulty computer relay box on the ISS exterior.

7  
00:00:22,210 --> 00:00:26,849  
The hardware, which provides back up commanding  
for key station systems, exhibited problems

8  
00:00:26,849 --> 00:00:28,170  
last Friday.

9  
00:00:28,170 --> 00:00:31,169  
The spacewalk is scheduled to take place within  
the next week.

10  
00:00:31,169 --> 00:00:34,900  
For the latest updates, log on to [nasa.gov/station](http://nasa.gov/station).

11  
00:00:34,900 --> 00:00:38,250  
The launch of SpaceX's dragon cargo craft  
was postponed on Monday...

12  
00:00:38,250 --> 00:00:43,039  
A helium leak in the Falcon 9 rocket's stage separation system caused the delay.

13  
00:00:43,039 --> 00:00:46,930  
The issue has been resolved, though, and Dragon is slated to launch from the Cape Canaveral

14  
00:00:46,930 --> 00:00:50,579  
Air Force Base at 3:25pm eastern time on Friday.

15  
00:00:50,579 --> 00:00:56,359  
The ship will deliver over 5,000 pounds of equipment, food, and supplies to the ISS.

16  
00:00:56,359 --> 00:00:59,839  
What better place to celebrate Earth Day this Tuesday than from space?!

17  
00:00:59,839 --> 00:01:03,910  
The space station gives us breathtaking images of Earth that are helping us better understand

18  
00:01:03,910 --> 00:01:05,030  
our planet.

19  
00:01:05,030 --> 00:01:09,090  
Researchers are using Earth-observation experiments to learn more about everything from natural

20  
00:01:09,090 --> 00:01:14,159  
disasters to agriculture to climate change, and stunning photos like this one help coral

21  
00:01:14,159 --> 00:01:17,360  
reef managers better support our precious marine environments.

22

00:01:17,360 --> 00:01:21,270

To learn more, check out [nasa.gov/earthrightnow](https://nasa.gov/earthrightnow).

23

00:01:21,270 --> 00:01:24,700

And while you're there, find out how you can be a part of NASA's Earth Day poster

24

00:01:24,700 --> 00:01:28,579

by posting a picture using the hashtag `global-selfie`.

25

00:01:28,579 --> 00:01:31,790

This week, Marianna asks how many people can live on the station?

26

00:01:31,790 --> 00:01:32,950

Good question.

27

00:01:32,950 --> 00:01:36,960

While there is usually a crew of six onboard, the space station can support up to nine people.

28

00:01:36,960 --> 00:01:41,390

In fact, a crew of nine will be onboard for a special, but short ten-day mission next

29

00:01:41,390 --> 00:01:42,390

year.