



Spaceto**Ground**

1

00:00:02,439 --> 00:00:07,160

Welcome to Space to Ground, I'm Kayla LaFrance. This week there's been a lot of

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00:00:07,160 --> 00:00:12,200

traffic coming and going around the International Space Station. Late Monday

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00:00:12,200 --> 00:00:17,090

an uncrewed Soyuz MS 14 spacecraft successfully docked to the station on

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00:00:17,090 --> 00:00:22,310

its second attempt. The unpiloted Soyuz launch last Wednesday August 24th from

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00:00:22,310 --> 00:00:26,420

the Baikonur Cosmodrome in Kazakhstan and originally rendezvous with the

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00:00:26,420 --> 00:00:30,620

station on Saturday for an autonomous docking. This first attempt was aborted

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00:00:30,620 --> 00:00:34,820

after a problem was discovered in the rendezvous equipment at his originally

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00:00:34,820 --> 00:00:38,690

planned docking port. For its second attempt the uncrewed Soyuz spacecraft

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00:00:38,690 --> 00:00:43,790

successfully docked to the AFT port of the Zvezda service, module bringing with

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00:00:43,790 --> 00:00:47,329

it 1,450 pounds of cargo and an

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00:00:47,329 --> 00:00:54,470

experimental 350 pound humanoid robot known as the Skybot F-850.

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00:00:54,470 --> 00:01:00,860

This week also brought a farewell to the SpaceX 18 Dragon. After a 33 day mission to the

13

00:01:00,860 --> 00:01:05,089

International Space Station the Dragon capsule was released from the Canadarm2

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00:01:05,089 --> 00:01:10,460

to begin a six-hour trip back home. Splashing down in the Pacific Ocean the

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00:01:10,460 --> 00:01:15,799

Dragon 18 capsule returned nearly 2700 pounds of hardware and science

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00:01:15,799 --> 00:01:20,680

experiments, completing this particular capsules third mission to the station.

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00:01:20,680 --> 00:01:27,220

On Monday, NASA astronaut Christian Koch reached the halfway point of her 328 day mission.

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00:01:28,200 --> 00:01:32,780

Koch arrived to the station in a Soyuz spacecraft 164 days ago on

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00:01:32,780 --> 00:01:38,180

March 14th. Since arriving she's been busy performing science experiments and

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00:01:38,180 --> 00:01:40,790

flight maintenance cargo ops and much more.

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00:01:40,790 --> 00:01:46,100

The 164 days left in her mission will add up to become the longest duration

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00:01:46,100 --> 00:01:50,750
single flight for a woman. Koch celebrated this midpoint with a video of

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00:01:50,750 --> 00:01:55,640
celebration of Women's Equality Day and the female space pioneers who paved the

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00:01:55,640 --> 00:02:00,140
way for her record-setting mission. "I have truly been inspired by the struggle

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00:02:00,140 --> 00:02:05,270
and triumph of so many women who dared to break new ground in all aspects of

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00:02:05,270 --> 00:02:10,069
society. I even have the honor of being among those who are paving the way for

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00:02:10,069 --> 00:02:15,370
the first women to set foot on the moon NASA's Artemis program and I hope to