



Space to Ground

1
00:00:02,780 --> 00:00:04,580
"Houston, Station on Space to Ground."

2
00:00:05,320 --> 00:00:07,460
Welcome to Space to Ground, I'm Leah Cheshier.

3
00:00:07,820 --> 00:00:11,180
The Quest airlock saw more action
this week as two astronauts floated

4
00:00:11,180 --> 00:00:12,500
outside the station.

5
00:00:13,620 --> 00:00:17,060
On April 8th NASA
astronaut Anne McClain and Canadian Space

6
00:00:17,060 --> 00:00:21,200
Agency astronaut David Saint-Jacques
completed the third and final spacewalk

7
00:00:21,200 --> 00:00:22,700
over the last three weeks.

8
00:00:23,540 --> 00:00:25,300
This was McClain's second spacewalk and

9
00:00:25,300 --> 00:00:29,240
the first for Saint-Jacques who became
the fourth Canadian to conduct an extra

10
00:00:29,240 --> 00:00:30,680
vehicular activity.

11
00:00:31,080 --> 00:00:32,720
In six hours and 29
minutes

12

00:00:32,720 --> 00:00:36,890
the astronauts relocated an adapter
plate to continue work on the station's

13
00:00:36,890 --> 00:00:40,520
battery upgrades and routed cables to
provide data connectivity for future

14
00:00:40,520 --> 00:00:42,000
camera upgrades.

15
00:00:42,680 --> 00:00:45,700
They also installed a
backup power path to the station's

16
00:00:45,710 --> 00:00:49,760
robotic arm and slip off prevention in
preparation for the arrival of the

17
00:00:49,760 --> 00:00:52,820
Bartolomeo external payload platform
next year.

18
00:00:53,900 --> 00:00:55,400
In the world of Commercial Crew

19
00:00:55,400 --> 00:00:59,120
we have big news on one of the
first flights with crew and new launch dates.

20
00:01:00,860 --> 00:01:04,120
NASA and Boeing agreed to extend
the duration of their first crewed

21
00:01:04,129 --> 00:01:08,150
flight test to the station to several
months, meaning when NASA astronauts

22
00:01:08,150 --> 00:01:12,170
Nicole Mann and Mike Fincke joined Boeing

astronaut Chris Ferguson on Starliner,

23

00:01:12,170 --> 00:01:17,780

it'll be for a full duration expedition flight. NASA and Boeing also updated the

24

00:01:17,780 --> 00:01:21,409

target launch dates for this year with Starliner's uncrewed tests light now

25

00:01:21,409 --> 00:01:25,180

targeted for August and that first crewed flight in late 2019.

26

00:01:26,020 --> 00:01:30,580

Meanwhile, SpaceX is gearing up for their in-flight abort test with a new target date for

27

00:01:30,580 --> 00:01:32,660

the first crewed flight on Dragon coming soon.

28

00:01:34,120 --> 00:01:39,580

Hot-off-the-press, results from the Twins Study on Scott and Mark Kelly after the one-year mission are in.

29

00:01:40,860 --> 00:01:44,540

In 2015, former NASA astronaut Scott Kelly began an

30

00:01:44,540 --> 00:01:48,880

almost one year stay on the space station. During that time he and his twin

31

00:01:48,890 --> 00:01:53,149

brother Mark, were the research subjects on how the body changes and adapts to

32

00:01:53,149 --> 00:01:57,020

long-duration spaceflight.

Scientists have published the findings

33

00:01:57,020 --> 00:02:00,620

which you can read at [nasa.gov/
twins-study](https://nasa.gov/twins-study).