



SPACE TO GROUND

1
00:00:00,606 --> 00:00:02,526
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:02,716 --> 00:00:05,516
WELCOME TO SPACE TO GROUND,
I'M KATHRYN MCLAURIN.

3
00:00:05,606 --> 00:00:08,616
THE FIRST OF THREE OCTOBER
SPACEWALKS TOOK PLACE THIS WEEK.

4
00:00:09,626 --> 00:00:11,506
NASA ASTRONAUTS RANDY BRESNIK

5
00:00:11,506 --> 00:00:13,906
AND MARK VANDE HEI SPENT
SEVERAL HOURS WORKING

6
00:00:13,906 --> 00:00:15,446
IN THE VACUUM OF
SPACE ON THURSDAY.

7
00:00:16,086 --> 00:00:19,116
AFTER GETTING SUITED UP AND OUT
THE DOOR, THE DUO WENT RIGHT

8
00:00:19,176 --> 00:00:21,766
TO WORK ON THEIR PRIMARY
TASK, REPLACING ONE

9
00:00:21,766 --> 00:00:23,626
OF TWO LATCHING END EFFECTORS

10
00:00:23,626 --> 00:00:25,976
ON THE STATION'S
ROBOTIC ARM - CANADARM2.

11
00:00:26,086 --> 00:00:29,446

THIS IS THE PART OF THE
ARM THAT GRABS ONTO THINGS,

12

00:00:29,446 --> 00:00:31,966
FROM VISITING SPACECRAFT TO
THE SPACE STATION ITSELF.

13

00:00:32,516 --> 00:00:35,216
THE NEXT TWO SPACEWALKS ARE
COMING UP ON OCTOBER 10TH

14

00:00:35,216 --> 00:00:36,746
AND 18TH AND WILL BE FOCUSED

15

00:00:36,746 --> 00:00:39,116
ON LUBRICATING THE NEWLY
INSTALLED END EFFECTOR

16

00:00:39,426 --> 00:00:41,536
AND INSTALLING NEW
HIGH-DEFINITION CAMERAS

17

00:00:41,536 --> 00:00:42,646
ON THE OUTSIDE OF STATION.

18

00:00:43,516 --> 00:00:46,446
AND IT'S GROWING SEASON ONCE
AGAIN ONBOARD THE SPACE STATION.

19

00:00:46,866 --> 00:00:49,736
THE CREW JUST RECENTLY SET
UP A NEW BATCH OF SEEDS

20

00:00:49,736 --> 00:00:51,896
FOR THE ONGOING VEGGIE
EXPERIMENT WHICH LOOKS

21

00:00:51,896 --> 00:00:54,486
TO EXPAND OUR ABILITY TO
GROW FRESH FOOD IN SPACE,

22

00:00:54,806 --> 00:00:57,646

POTENTIALLY SUPPLEMENTING THE
DIETS OF LONG-DURATION CREWS.

23

00:00:57,856 --> 00:00:59,976

THIS WILL BE THE
FIRST TIME A VARIETY

24

00:00:59,976 --> 00:01:01,896

OF CROPS WILL BE
GROWN SIMULTANEOUSLY.

25

00:01:02,266 --> 00:01:04,746

THE CREW ROUTINELY TENDED TO
THE PLANTS THROUGHOUT THE WEEK,

26

00:01:04,746 --> 00:01:06,716

AND WILL LOOK TO
HARVEST IN A FEW WEEKS.

27

00:01:06,806 --> 00:01:10,336

THIS WEEK'S TWITTER QUESTION
COMES FROM BOB RAPP WHO WANTED

28

00:01:10,336 --> 00:01:12,256

TO KNOW HOW MANY
AIRLOCKS ARE ON STATION.

29

00:01:12,816 --> 00:01:13,876

RIGHT NOW THERE ARE THREE

30

00:01:13,946 --> 00:01:16,336

WITH SOME SIGNIFICANT
DIFFERENCES IN HOW THEY'RE USED.

31

00:01:16,826 --> 00:01:18,236

THERE ARE TWO AIRLOCKS AVAILABLE

32

00:01:18,236 --> 00:01:20,316
FOR SPACEWALKING HUMANS
RIGHT NOW ON STATION:

33

00:01:20,656 --> 00:01:23,356
THE QUEST AIRLOCK ON THE U.S.
SIDE AND THE PIRS AIRLOCK

34

00:01:23,356 --> 00:01:24,246
ON THE RUSSIAN SEGMENT.

35

00:01:24,726 --> 00:01:27,906
A THIRD AIRLOCK IS LOCATED
IN THE JAPANESE KIBO MODULE

36

00:01:27,956 --> 00:01:30,736
AND IS USED TO MOVE PAYLOADS
BOUND FOR THE VACUUM OF SPACE.

37

00:01:31,496 --> 00:01:33,536
KEEP SENDING US YOUR
QUESTIONS USING THE HASHTAG