



# Space**to**Ground

1  
00:00:02,970 --> 00:00:05,230  
"HOUSTON, STATION ON SPACE TO GROUND."

2  
00:00:05,230 --> 00:00:07,812  
WELCOME TO SPACE TO GROUND, I'M LEAH CHESHIER.

3  
00:00:07,812 --> 00:00:09,660  
SPACE STATION MAINTENANCE AND UPGRADES

4  
00:00:09,660 --> 00:00:12,738  
CONTINUE WITH ANOTHER SPACEWALK ON THE SCHEDULE.

5  
00:00:13,308 --> 00:00:15,910  
NASA ASTRONAUTS VICTOR GLOVER AND MICHAEL  
HOPKINS

6  
00:00:15,910 --> 00:00:18,600  
WILL FLOAT OUTSIDE THE AIRLOCK ON MARCH 13

7  
00:00:18,600 --> 00:00:21,624  
FOR A SCHEDULED 6 AND A HALF HOUR SPACEWALK.

8  
00:00:21,624 --> 00:00:22,970  
THE PAIR WILL CONTINUE TASKS

9  
00:00:22,970 --> 00:00:24,900  
SCHEDULED FOR PREVIOUS SPACEWALKS,

10  
00:00:24,900 --> 00:00:27,339  
LIKE VENTING THE EARLY AMMONIA SYSTEM,

11  
00:00:27,339 --> 00:00:30,369  
INSTALLING A STIFFENER ON THE QUEST AIRLOCK'S  
THERMAL COVER,

12  
00:00:30,369 --> 00:00:31,670  
AND CONNECTING CABLES FOR

13  
00:00:31,670 --> 00:00:33,890  
THE NEW BARTOLOMEO SCIENCE PLATFORM

14  
00:00:33,890 --> 00:00:35,990  
OUTSIDE THE COLUMBUS MODULE.

15  
00:00:35,990 --> 00:00:37,300  
LIVE COVERAGE OF THE SPACEWALK

16  
00:00:37,300 --> 00:00:39,550  
WILL BEGIN AT 6:00 AM EASTERN TIME,

17  
00:00:39,550 --> 00:00:40,930  
WITH THE ASTRONAUTS SCHEDULED

18  
00:00:40,930 --> 00:00:43,860  
TO EXIT THE STATION AT 7:30 AM.

19  
00:00:43,860 --> 00:00:45,375  
YOU CAN WATCH THE ACTION UNFOLD

20  
00:00:45,375 --> 00:00:49,199  
ON THE AGENCY'S WEBSITE AT [NASA.GOV/LIVE](https://www.nasa.gov/live).

21  
00:00:49,762 --> 00:00:51,100  
LIVING IN SPACE CREATES

22  
00:00:51,100 --> 00:00:52,830  
UNIQUE CHALLENGES THAT REQUIRE

23  
00:00:52,830 --> 00:00:54,290  
INNOVATIVE THINKING.

24  
00:00:54,290 --> 00:00:56,390  
WHEN DISPENSING TAPE PRESENTED A PROBLEM,

25  
00:00:56,390 --> 00:00:58,440

STUDENTS GOT INVOLVED.

26  
00:00:58,440 --> 00:00:59,840  
THE HIGH SCHOOL STUDENTS UNITED

27  
00:00:59,840 --> 00:01:02,045  
WITH NASA TO CREATE HARDWARE PROGRAM,

28  
00:01:02,045 --> 00:01:03,340  
ALSO KNOWN AS HUNCH,

29  
00:01:03,340 --> 00:01:06,353  
DESIGN AND CREATE PRODUCTS USED BY NASA.

30  
00:01:06,353 --> 00:01:09,100  
IN SPACE, CREW MEMBERS OFTEN NEED TO STABILIZE

31  
00:01:09,100 --> 00:01:11,290  
THEMSELVES WITH ONE HAND WHILE WORKING,

32  
00:01:11,290 --> 00:01:12,640  
MAKING IT DIFFICULT TO PERFORM

33  
00:01:12,640 --> 00:01:15,070  
TWO-HANDED TASKS, LIKE TEARING TAPE.

34  
00:01:15,070 --> 00:01:17,470  
SO HUNCH STUDENTS DESIGNED A TAPE DISPENSER

35  
00:01:17,470 --> 00:01:19,914  
THAT'S NOW BEING USED ON STATION.

36  
00:01:20,085 --> 00:01:21,610  
"THE KEY THINGS I LIKE ABOUT IT IS

37  
00:01:21,610 --> 00:01:24,360  
YOU CAN BASICALLY OPERATE IT WITH ONE HAND,

38

00:01:24,360 --> 00:01:26,030

AND UP HERE YOU'RE OFTEN TIMES

39

00:01:26,030 --> 00:01:28,409

USING YOUR OTHER HAND TO STABILIZE YOURSELF,

40

00:01:28,409 --> 00:01:32,840

SO, VERY EASILY GOES ON THE GUIDE RAILS,

41

00:01:32,840 --> 00:01:34,990

YOU COULD SEE IT'S ALREADY LOCKED IN PLACE.

42

00:01:34,990 --> 00:01:38,291

AND SLIDE THE ROLL OF TAPE ON,

43

00:01:38,291 --> 00:01:40,170

AND THEN YOU CAN PULL IT OFF,

44

00:01:40,170 --> 00:01:43,264

AGAIN ONE HANDED.

45

00:01:43,264 --> 00:01:48,769

AND I GOT MY VERY CLEAN-CUT PIECE OF TAPE."

46

00:01:49,320 --> 00:01:51,340

ON APRIL 9th, THREE NEW RESIDENTS

47

00:01:51,340 --> 00:01:53,729

WILL LAUNCH TO THE SPACE STATION,

48

00:01:53,729 --> 00:01:57,670

ONE OF THEM BEING NASA ASTRONAUT MARK VANDE  
HEI.

49

00:01:57,670 --> 00:01:59,400

NEXT MONTH, THE STATION CREW WILL GROW

50

00:01:59,400 --> 00:02:01,460  
TO TEN PEOPLE UPON ARRIVAL OF

51  
00:02:01,460 --> 00:02:03,780  
THE SOYUZ MS-18 SPACECRAFT ABOARD

52  
00:02:03,780 --> 00:02:05,773  
THE INTERNATIONAL SPACE STATION.

53  
00:02:05,773 --> 00:02:07,909  
VANDE HEI WILL SERVE AS A FLIGHT ENGINEER

54  
00:02:07,909 --> 00:02:10,729  
FOR EXPEDITIONS 64 AND 65 ALONGSIDE

55  
00:02:10,729 --> 00:02:14,819  
ROSCOSMOS COSMONAUTS OLEG NOVITSKIY AND PYOTR  
DUBROV.

56  
00:02:14,819 --> 00:02:17,036  
THE STATION CREW WILL SHRINK TO 7 MEMBERS  
AGAIN

57  
00:02:17,036 --> 00:02:19,181  
ABOUT ONE WEEK LATER WHEN KATE RUBINS,

58  
00:02:19,181 --> 00:02:22,631  
SERGEY RYZHIKOV, AND SERGEY KUD-SVERCHKOV  
RETURN TO EARTH.