



Space to Ground

1
00:00:02,696 --> 00:00:04,656
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:04,906 --> 00:00:07,076
WELCOME TO SPACE TO
GROUND, I'M LEAH CHESHIER.

3
00:00:07,446 --> 00:00:08,806
THIS WEEK, SENIOR ADVISOR

4
00:00:08,856 --> 00:00:11,896
TO THE PRESIDENT IVANKA TRUMP
VISITED JOHNSON SPACE CENTER

5
00:00:11,896 --> 00:00:13,996
TO TOUR KEY HUMAN
SPACEFLIGHT FACILITIES

6
00:00:13,996 --> 00:00:14,926
AND MEET WITH STUDENTS.

7
00:00:15,946 --> 00:00:17,396
DURING HER VISIT, MS. TRUMP

8
00:00:17,396 --> 00:00:20,186
AND NASA ADMINISTRATOR JIM
BRIDENSTINE TOURED A MOCKUP

9
00:00:20,186 --> 00:00:22,816
OF THE SPACE STATION AND
NASA'S ORION SPACECRAFT.

10
00:00:23,346 --> 00:00:25,576
SHE ALSO MET LOCAL HIGH
SCHOOL STUDENTS WORKING

11
00:00:25,576 --> 00:00:27,456
WITH NASA ENGINEERS

TO BUILD A ROBOT

12

00:00:27,526 --> 00:00:29,096
FOR THE FIRST ROBOTICS
COMPETITION.

13

00:00:29,686 --> 00:00:32,146
WHILE VISITING THE INTERNATIONAL
SPACE STATION FLIGHT CONTROL

14

00:00:32,146 --> 00:00:34,986
ROOM, MS. TRUMP SPOKE WITH
ASTRONAUTS CURRENTLY ON BOARD.

15

00:00:34,986 --> 00:00:37,166
"DO YOU HAVE ANYTHING
YOU WANT TO SHARE WITH US

16

00:00:37,236 --> 00:00:38,876
ABOUT YOUR EXPERIENCE

17

00:00:38,876 --> 00:00:41,956
AT THE INTERNATIONAL SPACE
STATION AS ASTRONAUTS?"

18

00:00:41,956 --> 00:00:44,566
"I'LL SAY THAT OUR MESSAGE
IS PRETTY CONSISTENT.

19

00:00:44,566 --> 00:00:46,156
WE ALL BELIEVE IN WHAT
WE'RE DOING UP HERE

20

00:00:46,156 --> 00:00:48,496
AND WE THINK IT'S
IMPORTANT TO THE CONTINUATION

21

00:00:48,496 --> 00:00:52,556
OF THE HUMAN SPECIES AND ALSO
THE SCIENCE THAT WE'RE DOING

22

00:00:52,936 --> 00:00:57,096

IN SPACE IS ALL REALLY DESIGNED
TO MAKE LIFE BETTER ON EARTH,

23

00:00:57,546 --> 00:01:01,016

AND ALLOW US TO BE BETTER
AS PEOPLE AS WE TAKE CARE

24

00:01:01,016 --> 00:01:04,036

OF THE PLANET AND ALSO MOVE
OUT INTO THE SOLAR SYSTEM."

25

00:01:04,036 --> 00:01:06,966

ASTRONAUTS ON THE SPACE STATION
CHECKED OUT THEIR SPACE SUITS

26

00:01:06,966 --> 00:01:09,466

IN PREPARATION FOR SOME
OUTSIDE EXPLORATION.

27

00:01:10,786 --> 00:01:12,956

NASA ASTRONAUTS SERENA
AUNON-CHANCELLOR

28

00:01:12,956 --> 00:01:16,566

AND DREW FEUSTEL JOINED EUROPEAN
SPACE AGENCY ASTRONAUT ALEXANDER

29

00:01:16,616 --> 00:01:19,936

GERST TO INSPECT SPACESUITS
AHEAD OF UPCOMING SPACEWALKS.

30

00:01:20,466 --> 00:01:22,826

THE ASTRONAUTS ENSURED THE
CORRECT SIZING OF THE SUITS,

31

00:01:23,196 --> 00:01:25,056

WHICH WILL BE USED WHEN
THEY VENTURE OUTSIDE

32

00:01:25,056 --> 00:01:26,976
OF THE QUEST AIRLOCK
TO UPGRADE BATTERIES

33

00:01:26,976 --> 00:01:28,916
ON THE SPACE STATION'S
TRUSS STRUCTURE.

34

00:01:29,526 --> 00:01:31,856
VISIT OUR WEBSITE FOR
LAUNCH SCHEDULE UPDATES

35

00:01:31,856 --> 00:01:33,436
AND TO WATCH LIVE.

36

00:01:33,896 --> 00:01:36,466
THIS WEEK'S QUESTION IS ABOUT
THE UPCOMING SPACEWALKS,

37

00:01:36,796 --> 00:01:38,306
SPECIFICALLY WHAT WILL HAPPEN

38

00:01:38,306 --> 00:01:40,076
TO THE OLD BATTERIES ONCE
THEY'RE SWITCHED OUT.

39

00:01:40,626 --> 00:01:42,666
JUST LIKE OLD BATTERIES
IN YOUR HOUSEHOLD ITEMS,

40

00:01:42,886 --> 00:01:43,806
THESE WILL BE DISPOSED.

41

00:01:44,386 --> 00:01:46,906
THE SIX LITHIUM-ION
BATTERIES BEING DELIVERED

42

00:01:46,906 --> 00:01:49,336

ON THE JAPANESE CARGO
VEHICLE WILL REPLACE TWELVE

43

00:01:49,336 --> 00:01:51,206
NICKEL-HYDROGEN BATTERIES
ON THE PORT TRUSS.

44

00:01:51,946 --> 00:01:53,046
ONCE THE SWAPS ARE COMPLETE,

45

00:01:53,386 --> 00:01:55,186
NINE OF THE OLDER
BATTERIES WILL BE STORED

46

00:01:55,186 --> 00:01:57,446
IN THE JAPANESE CARGO
VEHICLE TO BE DISPOSED

47

00:01:57,446 --> 00:01:59,236
OF IN THE ATMOSPHERE
UPON REENTRY.

48

00:01:59,816 --> 00:02:01,226
THE REMAINING THREE
WILL BE STORED

49

00:02:01,226 --> 00:02:03,956
ON THE STATION'S TRUSS
PERMANENTLY, BUT NOT AS SPARES.

50

00:02:04,666 --> 00:02:06,026
AFTER THE UPCOMING SPACEWALKS

51

00:02:06,166 --> 00:02:07,706
TO REPLACE THE BATTERIES
ARE COMPLETED,

52

00:02:08,076 --> 00:02:09,396
FOUR OF EIGHT POWER CHANNELS

53

00:02:09,396 --> 00:02:12,066

ON THE STATION WILL HAVE BEEN
UPGRADED WITH THE NEW BATTERIES.