



SPACE TO GROUND

1
00:00:00,606 --> 00:00:03,706
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:03,706 --> 00:00:06,046
CAPTURE CONFIRMED!

3
00:00:06,486 --> 00:00:08,726
WELCOME TO SPACE TO
GROUND, I'M DAN HUOT.

4
00:00:09,016 --> 00:00:11,386
THE JAPANESE HTV-6 WAS GRAPPLED

5
00:00:11,386 --> 00:00:13,526
BY THE EXPEDITION
50 CREW THIS WEEK.

6
00:00:13,916 --> 00:00:17,396
THE CARGO RESUPPLY CRAFT
ARRIVED ON DECEMBER 13,

7
00:00:17,576 --> 00:00:19,746
FOUR DAYS AFTER LAUNCHING
FROM JAPAN.

8
00:00:20,276 --> 00:00:23,276
SHANE KIMBROUGH AND THOMAS
PESQUET USED THE STATION'S

9
00:00:23,276 --> 00:00:27,266
CANADARM2 ROBOTIC ARM TO GRAB
THE SPACECRAFT WHILE IT HOVERED

10
00:00:27,266 --> 00:00:28,276
A FEW FEET AWAY.

11
00:00:28,276 --> 00:00:31,156
THEY HANDED CONTROL OVER

TO GROUND CONTROLLERS

12

00:00:31,156 --> 00:00:33,546
WHO THEN MANEUVERED THE
VEHICLE AND ATTACHED IT

13

00:00:33,576 --> 00:00:35,996
TO THE EARTH FACING SIDE
OF THE HARMONY MODULE.

14

00:00:36,636 --> 00:00:39,646
THE EXPEDITION 50 CREW OPENED
UP THE HATCH ON TUESDAY

15

00:00:39,646 --> 00:00:42,066
AND BEGAN UNLOADING
THE THOUSANDS OF POUNDS

16

00:00:42,066 --> 00:00:43,466
OF NEWLY ARRIVED CARGO.

17

00:00:44,416 --> 00:00:47,176
AND AMONG THE OVER
4.5 TONS OF SUPPLIES

18

00:00:47,176 --> 00:00:50,336
AND HARDWARE ARE NEW BATTERIES,
WHICH THE CREW IS GEARING

19

00:00:50,336 --> 00:00:51,966
UP TO INSTALL IN JANUARY.

20

00:00:52,756 --> 00:00:55,216
SIX LITHIUM-ION BATTERIES
MADE THE RIDE

21

00:00:55,216 --> 00:00:57,946
UP IN THE UNPRESSURIZED
SECTION OF HTV.

22

00:00:58,126 --> 00:01:00,736

THEY'LL GET REMOVED BY THE
DEXTRE ROBOT AT THE END

23

00:01:00,736 --> 00:01:03,586

OF THE MONTH AND POSITIONED
TO BE INSTALLED IN A SERIES

24

00:01:03,586 --> 00:01:07,196

OF SPACEWALKS AND ROBOTICS
PROCEDURES IN EARLY JANUARY.

25

00:01:07,576 --> 00:01:10,326

NASA'S PEGGY WHITSON
PERFORMED ROUTINE MAINTENANCE

26

00:01:10,326 --> 00:01:13,656

ON THE STATION'S SPACESUITS AS
SHE AND HER CREW MATES CONTINUE

27

00:01:13,726 --> 00:01:15,736

TO PREPARE FOR THE
SPACEWALKS SCHEDULED

28

00:01:15,736 --> 00:01:18,026

FOR JANUARY 6TH AND 13TH.

29

00:01:18,746 --> 00:01:21,646

THIS WEEK TWITTER USER
ANURAG SINGH WANTS TO KNOW

30

00:01:21,646 --> 00:01:25,616

IF ASTRONAUTS CAN WASH THEIR
CLOTHES.THEY DON'T ACTUALLY,

31

00:01:25,616 --> 00:01:29,276

WHICH MAKES CARGO FLIGHTS LIKE
HTV ALL THE MORE IMPORTANT.

32

00:01:30,066 --> 00:01:33,826
WASHING CLOTHES WOULD REQUIRE A
LOT OF WATER, SOMETHING THAT HAS

33
00:01:33,826 --> 00:01:35,966
TO BE USED VERY DELIBERATELY
IN SPACE.

34
00:01:36,486 --> 00:01:38,926
NEW CLOTHES FOR ASTRONAUTS
WILL TYPICALLY ARRIVE

35
00:01:38,926 --> 00:01:41,826
ON A CARGO FLIGHT MONTHS BEFORE
THEIR SPACEFLIGHT BEGINS.

36
00:01:42,326 --> 00:01:44,716
THE OLD CLOTHES FROM
CREW ONBOARD GET PACKED

37
00:01:44,716 --> 00:01:47,896
INTO THOSE SAME CARGO SHIPS
AND BURN UP IN THE ATMOSPHERE.

38
00:01:48,546 --> 00:01:52,016
THERE'S ALSO BEEN RESEARCH TO
STUDY GERM-RESISTANT FABRICS

39
00:01:52,016 --> 00:01:54,226
TO HELP CLOTHES LAST
EVEN LONGER.

40
00:01:55,046 --> 00:01:57,086
KEEP SENDING IN YOUR
QUESTIONS USING THE