



Space to Ground

1
00:00:02,706 --> 00:00:04,656
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:05,326 --> 00:00:07,706
WELCOME TO SPACE TO
GROUND, I'M DAN HUOT.

3
00:00:07,706 --> 00:00:10,966
THE CREW SAID FAREWELL TO
ANOTHER CARGO CRAFT THIS WEEK.

4
00:00:11,976 --> 00:00:15,726
AFTER PACKING HTV WITH TRASH
AND OTHER ITEMS FOR DISPOSAL,

5
00:00:15,956 --> 00:00:19,136
AND PREPARING THE HTV
SMALL RE-ENTRY CAPSULE,

6
00:00:19,466 --> 00:00:20,806
THE CREW CLOSED UP THE HATCH.

7
00:00:20,806 --> 00:00:24,146
THEN IT WAS OVER TO ROBOTICS
CONTROLLERS ON THE GROUND

8
00:00:24,146 --> 00:00:27,896
TO DETACH HTV FROM THE STATION
AND MANEUVER IT FOR RELEASE.

9
00:00:28,666 --> 00:00:31,496
ALEX GERST PRESSED THE
BUTTON TO RELEASE HTV

10
00:00:31,536 --> 00:00:33,096
FROM THE STATION'S ROBOTIC ARM

11
00:00:33,096 --> 00:00:36,236

AND HTV BEGAN ITS FLIGHT
AWAY FROM THE STATION.

12

00:00:36,236 --> 00:00:39,226
IT WILL RE-ENTER THE EARTH'S
ATMOSPHERE THIS WEEKEND

13

00:00:39,226 --> 00:00:40,476
WITH THE SPACECRAFT BURNING

14

00:00:40,476 --> 00:00:42,776
UP DURING THE INTENSE
HEAT OF RE-ENTRY.

15

00:00:43,296 --> 00:00:46,386
BUT A SPECIAL PROJECT
CARRIED ON HTV WILL BE LOOKING

16

00:00:46,436 --> 00:00:48,326
TO SURVIVE THAT FIERY PLUNGE.

17

00:00:49,066 --> 00:00:53,416
THE HTV SMALL RE-ENTRY CAPSULE
IS A SMALL SPACECRAFT DESIGNED

18

00:00:53,416 --> 00:00:56,886
BY THE JAPANESE SPACE AGENCY
TO RETURN EXPERIMENT SAMPLES

19

00:00:56,926 --> 00:01:00,836
FROM SPACE, SOMETHING THAT VERY
FEW SPACECRAFT CAN CURRENTLY DO.

20

00:01:01,536 --> 00:01:03,706
THE CREW LOADED THE
CAPSULE WITH SAMPLES

21

00:01:03,756 --> 00:01:07,496
FROM A JAPANESE PROTEIN CRYSTAL
GROWTH STUDY AND INSTALLED IT

22
00:01:07,586 --> 00:01:09,366
OVER THE HATCH TO
THE SPACECRAFT.

23
00:01:09,866 --> 00:01:13,316
BEFORE HTV BEGINS ITS RE-ENTRY
THROUGH THE ATMOSPHERE,

24
00:01:13,606 --> 00:01:16,296
IT WILL RELEASE THE CAPSULE,
WHICH SURVIVES THE HEAT

25
00:01:16,296 --> 00:01:18,846
OF RE-ENTRY THANKS TO A
HEAT SHIELD AND WILL AIM

26
00:01:18,846 --> 00:01:21,376
FOR A PARACHUTE-ASSISTED
LANDING IN THE OCEAN

27
00:01:21,686 --> 00:01:23,486
WHERE IT WILL AWAIT
A RECOVERY SHIP.

28
00:01:23,486 --> 00:01:27,156
VETERAN NASA ASTRONAUTS ERIC BOE

29
00:01:27,196 --> 00:01:29,116
AND SUNI WILLIAMS HAVE
BEEN GETTING HANDS

30
00:01:29,116 --> 00:01:31,466
ON WITH THE SPACECRAFT
THEY'RE SET TO FLY IN,

31
00:01:31,776 --> 00:01:33,896
BOEING'S CST-100 STARLINER.

32

00:01:35,016 --> 00:01:37,956
THE PAIR FAMILIARIZED THEMSELVES
WITH THE CONTROL SYSTEMS

33
00:01:37,956 --> 00:01:40,526
IN A TRAINER FOR THE
NEXT GENERATION CAPSULE.

34
00:01:40,966 --> 00:01:43,616
BOE WAS ASSIGNED TO
STARLINER'S FIRST CREWED FLIGHT,

35
00:01:43,776 --> 00:01:46,936
TARGETED FOR 2019, WITH
WILLIAMS SLATED TO FLY

36
00:01:46,936 --> 00:01:48,676
ON STARLINER'S SECOND
CREWED FLIGHT.

37
00:01:49,206 --> 00:01:52,186
TO SEE THE LATEST AS WE GET
CLOSER TO THESE FIRST FLIGHTS

38
00:01:52,326 --> 00:01:56,556
FROM BOEING AND SPACEX, VISIT
[NASA.GOV/COMMERICALCREW](https://www.nasa.gov/commercialcrew).