



**Space**to**Ground**

1

00:00:03,110 --> 00:00:05,220

"HOUSTON, STATION ON SPACE TO GROUND."

2

00:00:05,220 --> 00:00:07,770

WELCOME TO SPACE TO GROUND, I AM KAYLA LAFRANCE.

3

00:00:07,770 --> 00:00:10,790

THIS WEEK THE CREW IS KEEPING BUSY WITH SCIENCE

4

00:00:10,790 --> 00:00:13,800

BEFORE PARTING WAYS.

5

00:00:13,800 --> 00:00:16,049

NASA ASTRONAUT BOB BEHNKEN WAS SPOTTED

6

00:00:16,049 --> 00:00:18,340

CONDUCTING THE DROPLET FORMATION STUDY

7

00:00:18,340 --> 00:00:21,660

IN THE STATION'S MICROGRAVITY SCIENCE GLOVEBOX

8

00:00:21,660 --> 00:00:25,000

TO SHOW THAT SCIENCE RESULTS CAN BE FOR EVERYONE.

9

00:00:25,000 --> 00:00:27,360

THIS INVESTIGATION BY DELTA FAUCET,

10

00:00:27,360 --> 00:00:30,060

THROUGH THE ISS NATIONAL LABORATORY,

11

00:00:30,060 --> 00:00:33,570

EVALUATES WATER DROPLET FORMATION AND ITS  
MOVEMENT

12

00:00:33,570 --> 00:00:35,290

THROUGH DIFFERENT TECHNOLOGIES.

13

00:00:35,290 --> 00:00:38,830

THE RESEARCH IS AIMED TO IMPROVE FAUCET TECHNOLOGY,

14

00:00:38,830 --> 00:00:42,340

CREATING BETTER PERFORMANCE AND IMPROVED USER EXPERIENCE

15

00:00:42,340 --> 00:00:45,120

WHILE CONSERVING WATER AND ENERGY.

16

00:00:45,680 --> 00:00:48,420

THE CREW ALSO SPENT THE EARLY PART OF THE  
WEEK

17

00:00:48,420 --> 00:00:53,040

PREFORMING THE CHECK OUT THE ASTROBEE ROBOTIC SYSTEM.

18

00:00:53,040 --> 00:00:55,920

THE ASTROBEE'S, 3 CUBED-SHAPED ROBOTS,

19

00:00:55,920 --> 00:00:57,800

ARE DESIGNED TO AID THE CREW

20

00:00:57,800 --> 00:00:59,880

IN COMMON TASKS ONBOARD THE STATION,

21

00:00:59,880 --> 00:01:02,910

BUT FIRST, THEY WILL PLAY A PART IN JAXA'S

22

00:01:02,910 --> 00:01:06,380

UPCOMING KIBO ROBOT PROGRAMMING CHALLENGE  
IN THE FALL.

23

00:01:06,380 --> 00:01:08,460

USING FANS TO MOVE AND CAMERAS TO SEE,

24

00:01:08,460 --> 00:01:11,060

THE ASTROBEES WILL HELP PAVE THE WAY

25

00:01:11,061 --> 00:01:13,490  
FOR THE ROBOTICS THAT WILL BE USED

26  
00:01:13,490 --> 00:01:16,340  
AS WE GO BACK TO THE MOON, AND ON TO MARS.

27  
00:01:17,180 --> 00:01:19,080  
WITH THE SCIENCE COMPLETE,

28  
00:01:19,080 --> 00:01:21,470  
CREWMATES BOB AND DOUG SET THEIR FOCUS

29  
00:01:21,470 --> 00:01:24,490  
ON THEIR RETURN ABOARD THE DRAGON ENDEAVOUR,

30  
00:01:24,490 --> 00:01:27,280  
CONCLUDING THEIR TWO-MONTH STAY ON THE STATION.

31  
00:01:27,280 --> 00:01:29,540  
THE CREW DRAGON VEHICLE WILL AUTONOMOUSLY

32  
00:01:29,540 --> 00:01:32,600  
UNDOCK WITH THE TWO NASA ASTRONAUTS ON BOARD,

33  
00:01:32,600 --> 00:01:37,000  
DEPART THE SPACE STATION, AND RE-ENTER THE  
EARTH'S ATMOSPHERE.

34  
00:01:37,000 --> 00:01:40,409  
UPON SPLASHDOWN JUST OFF FLORIDA'S COAST,

35  
00:01:40,409 --> 00:01:43,040  
THE CREW WILL BE PICKED UP AT SEA BY

36  
00:01:43,040 --> 00:01:46,210  
SPACE X'S RECOVERY VESSEL, AND RETURN TO  
SHORE

37

00:01:46,210 --> 00:01:48,650  
WHERE THEY'LL BE FLOWN BACK TO HOUSTON

38  
00:01:48,650 --> 00:01:51,280  
TO REUNITE WITH THEIR FAMILIES.

39  
00:01:51,280 --> 00:01:54,820  
BE SURE TO JOIN US AND FOLLOW ALONG WITH NASA  
TV.

40  
00:01:54,820 --> 00:01:56,450  
COMPLETE MISSION COVERAGE WILL START

41  
00:01:56,450 --> 00:01:59,740  
PRIOR TO UNDOCKING AND WILL STAY ON THE AIR

42  
00:01:59,740 --> 00:02:04,920  
WITH CONTINUOUS COVERAGE UNTIL AFTER SPLASHDOWN.

43  
00:02:04,920 --> 00:02:06,440  
KEEP SENDING YOUR QUESTIONS