



# Space to Ground

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

2  
00:00:05,336 --> 00:00:07,606  
WELCOME TO SPACE TO  
GROUND, I AM KAYLA LAFRANCE.

3  
00:00:07,966 --> 00:00:11,356  
THIS WEEK, THE CREW ONBOARD  
WAS HANDS ON SCIENCE.

4  
00:00:11,736 --> 00:00:14,326  
MICROGRAVITY PROVIDES  
A UNIQUE ENVIRONMENT

5  
00:00:14,356 --> 00:00:18,236  
TO STUDY DEXTEROUS MANIPULATION,  
IN AN EXPERIMENT CALLED GRIPS,

6  
00:00:18,886 --> 00:00:22,456  
EUROPEAN SPACE AGENCY  
ASTRONAUT ALEX GERST SPENT TIME

7  
00:00:22,456 --> 00:00:25,826  
INVESTIGATING THE EFFECTS  
OF LONG-DURATION SPACEFLIGHT

8  
00:00:25,916 --> 00:00:29,116  
ON HUMAN'S ABILITY TO GRIP  
AND MANIPULATE OBJECTS.

9  
00:00:29,776 --> 00:00:33,396  
NOT ONLY WILL THE GRIPS STUDY  
HELP RESEARCHERS UNDERSTAND THE

10  
00:00:33,396 --> 00:00:35,826  
LONG-TERM ADAPTATION  
OF GRIP FORCE

11  
00:00:35,826 --> 00:00:38,386  
AND LOAD FORCE COORDINATION  
THAT ASTRONAUTS FACE,

12  
00:00:38,666 --> 00:00:41,936  
IT ALSO COULD HELP CONTRIBUTE  
TO THE DESIGN AND CONTROL

13  
00:00:41,936 --> 00:00:44,636  
OF INTELLIGENT HAPTIC  
INTERFACES TO BE USED

14  
00:00:44,686 --> 00:00:48,236  
IN CHALLENGING ENVIRONMENTS  
SUCH AS DEEP SPACE, AS NASA AIMS

15  
00:00:48,236 --> 00:00:50,806  
TO RETURN TO THE  
MOON, MARS AND BEYOND.

16  
00:00:51,756 --> 00:00:53,766  
AS THE INTERNATIONAL  
SPACE STATION CLOSES

17  
00:00:53,766 --> 00:00:57,396  
IN ON THE 18TH ANNIVERSARY  
OF HUMANS LIVING CONTINUOUSLY

18  
00:00:57,466 --> 00:01:00,626  
ON BOARD, OUR VIEWS INSIDE  
HAVE NEVER BEEN BETTER!

19  
00:01:01,526 --> 00:01:04,866  
WHILE YOUR NEIGHBORHOOD DIGITAL  
CINEMAS TYPICALLY PROJECT FILM

20  
00:01:05,026 --> 00:01:07,066  
IN 2K TO 4K RESOLUTIONS.

21

00:01:07,576 --> 00:01:11,006  
THIS WEEK NASA DELIVERED,  
THE FIRST EVER 8K FOOTAGE

22  
00:01:11,076 --> 00:01:12,776  
OF ASTRONAUTS LIVING, WORKING,

23  
00:01:12,946 --> 00:01:15,676  
AND CONDUCTING RESEARCH  
ONBOARD THE ORBITING LABORATORY.

24  
00:01:15,716 --> 00:01:19,086  
THANKS TO THE HELIUM  
8K CAMERA BY RED,

25  
00:01:19,186 --> 00:01:21,856  
A DIGITAL CINEMA  
COMPANY, FANS OF SCIENCE

26  
00:01:21,906 --> 00:01:24,506  
IN SPACE WILL NOW BE  
ABLE TO FOLLOW ALONG

27  
00:01:24,506 --> 00:01:27,486  
IN FAST-MOVING FOOTAGE IN  
EVEN HIGHER DEFINITION.

28  
00:01:28,286 --> 00:01:33,316  
VETERAN NASA ASTRONAUT MIKE  
HOPKINS WILL BE RIDING SPACEX'S

29  
00:01:33,316 --> 00:01:36,446  
CREW DRAGON TO HIS NEXT  
LONG-TERM STAY ON STATION

30  
00:01:36,806 --> 00:01:39,226  
AND IS TRAINING FOR  
HIS ROLES ONCE ONBOARD.

31  
00:01:39,776 --> 00:01:43,916

HE RECENTLY SPENT TIME IN NASA'S  
ACTIVE RESPONSE GRAVITY OFFLOAD

32

00:01:44,056 --> 00:01:47,116

SYSTEM, OR ARGOS, TO  
PRACTICE SPACEWALKING

33

00:01:47,116 --> 00:01:48,556

IN MICROGRAVITY CONDITIONS.

34

00:01:49,156 --> 00:01:51,996

TO SEE THE LATEST AS WE GET  
CLOSER TO THESE FIRST FLIGHTS

35

00:01:52,206 --> 00:01:57,096

FROM SPACEX AND BOEING, VISIT  
[NASA.GOV/COMMERICALCREW](https://www.nasa.gov/commercialcrew).