



# Space**to**Ground

1

00:00:02,903 --> 00:00:05,116

"HOUSTON, STATION ON SPACE TO GROUND."

2

00:00:05,116 --> 00:00:08,454

WELCOME TO SPACE TO GROUND, I AM KAYLA LAFRANCE.

3

00:00:08,454 --> 00:00:10,530

THERE WAS A CHANGING OF THE GUARD THIS WEEK

4

00:00:10,530 --> 00:00:11,900

ONBOARD THE SPACE STATION,

5

00:00:11,900 --> 00:00:15,234

AS CREWMEMBERS HEAD HOME AND NEW ONE'S ARRIVE.

6

00:00:16,796 --> 00:00:18,390

"TOUCHDOWN.

7

00:00:18,390 --> 00:00:21,110

AFTER 185 DAYS IN SPACE,

8

00:00:21,110 --> 00:00:22,870

KATE RUBINS, SERGEY RYZHIKOV

9

00:00:22,870 --> 00:00:26,138

AND SERGEY KUD-SVERCHKOV ARE BACK ON TERRA FIRMA".

10

00:00:26,676 --> 00:00:29,890

ON APRIL 17th, NASA ASTRONAUT KATE RUBINS

11

00:00:29,890 --> 00:00:34,640

CONCLUDED HER STAY OF 185 DAYS ON THE STATION

12

00:00:34,640 --> 00:00:36,230

WHEN SHE RETURNED TO EARTH

13

00:00:36,230 --> 00:00:39,898  
IN A SOYUZ MS-17 SPACECRAFT.

14  
00:00:39,898 --> 00:00:41,620  
DURING THEIR SIX MONTH STAY,

15  
00:00:41,620 --> 00:00:43,890  
RUBINS SPENT HUNDREDS OF HOURS WORKING

16  
00:00:43,890 --> 00:00:45,890  
ON NEW SPACE STATION EXPERIMENTS

17  
00:00:45,890 --> 00:00:47,770  
AND BUILDING ON INVESTIGATIONS

18  
00:00:47,770 --> 00:00:50,170  
SHE CONDUCTED DURING HER FIRST MISSION,

19  
00:00:50,170 --> 00:00:51,377  
INCLUDING HEART RESEARCH

20  
00:00:51,377 --> 00:00:53,980  
AND MULTIPLE MICROBIOLOGY STUDIES.

21  
00:00:53,980 --> 00:00:56,970  
SHE ALSO ADVANCED HER WORK IN DNA SEQUENCING,

22  
00:00:56,970 --> 00:00:59,620  
WHICH COULD ALLOW ASTRONAUTS TO DIAGNOSE

23  
00:00:59,620 --> 00:01:02,050  
AN ILLNESS IN SPACE OR IDENTIFY

24  
00:01:02,050 --> 00:01:04,395  
MICROBES GROWING AT THE SPACE STATION.

25  
00:01:05,095 --> 00:01:07,508  
THE POPULATION OF THE INTERNATIONAL SPACE

## STATION

26

00:01:07,508 --> 00:01:10,260

WILL GROW TODAY AFTER THE FRIDAY MORNING LAUNCH

27

00:01:10,260 --> 00:01:12,850

OF THE SPACEX ENDEAVOUR CREW DRAGON

28

00:01:12,850 --> 00:01:17,280

FROM LAUNCH PAD 39A AT KENNEDY SPACE CENTER.

29

00:01:17,280 --> 00:01:19,830

THE CREW-2 ASTRONAUTS, SHANE KIMBROUGH,

30

00:01:19,830 --> 00:01:21,960

MEGAN MCARTHUR, AKI HOSHIDE,

31

00:01:21,960 --> 00:01:24,400

AND THOMAS PESQUET WILL DOCK WITH

32

00:01:24,400 --> 00:01:27,730

THE SPACE STATION ON SATURDAY, APRIL 24th,

33

00:01:27,730 --> 00:01:29,600

AND WILL BE WELCOMED ABOARD THE STATION

34

00:01:29,600 --> 00:01:32,670

BY THE EXPEDITION 65 CREW, INCLUDING

35

00:01:32,670 --> 00:01:36,000

THE CREW-1 ASTRONAUTS STILL ONBOARD.

36

00:01:36,000 --> 00:01:38,150

THE MEMBERS OF CREW-2 WILL KEEP BUSY

37

00:01:38,150 --> 00:01:39,549

OVER THE NEXT FEW MONTHS WITH

38  
00:01:39,549 --> 00:01:42,250  
A WIDE VERITY OF PLANNED SCIENCE EXPERIMENTS,

39  
00:01:42,250 --> 00:01:44,710  
A CONSTANT FLOW OF CARGO VEHICLES,

40  
00:01:44,710 --> 00:01:46,240  
AND A SERIES OF SPACEWALKS

41  
00:01:46,240 --> 00:01:48,580  
TO INSTALL NEW SOLAR ARRAYS,

42  
00:01:48,580 --> 00:01:51,530  
INCREASING THE STATION'S TOTAL AVAILABLE  
POWER.

43  
00:01:51,530 --> 00:01:52,841  
ALSO RETURNING TO SPACE

44  
00:01:52,841 --> 00:01:56,178  
IS THE SAME CREW DRAGON CAPSULE, DUBBED ENDEAVOUR,

45  
00:01:56,178 --> 00:01:59,850  
THAT ASTRONAUTS DOUGLAS HURLEY AND ROBERT  
BEHNKEN

46  
00:01:59,850 --> 00:02:01,285  
FLEW TO THE SPACE STATION

47  
00:02:01,285 --> 00:02:04,506  
FOR THEIR HISTORIC DEMO-2 MISSION LAST YEAR.

48  
00:02:05,211 --> 00:02:07,360  
THE CREW DRAGON RESILIENCE CAPSULE

49  
00:02:07,360 --> 00:02:09,369  
WILL CARRY CREW-1 CREWMEMBERS

50

00:02:09,369 --> 00:02:12,880

NASA ASTRONAUTS MICHAEL HOPKINS, VICTOR GLOVER,

51

00:02:12,880 --> 00:02:16,650

SHANNON WALKER, AND JAXA ASTRONAUT SOICHI  
NOGUCHI

52

00:02:16,650 --> 00:02:19,450

ON THE FINAL LEG OF THEIR JOURNEY AS THEY  
UNDOCK

53

00:02:19,450 --> 00:02:23,200

FROM THE SPACE STATION AND REENTER THE EARTH'S  
ATMOSPHERE,

54

00:02:23,200 --> 00:02:25,170

ENDING THEIR 6 MONTH MISSION.

55

00:02:25,170 --> 00:02:28,010

BE SURE TO FOLLOW ALONG WITH NASA TV COVERAGE

56

00:02:28,010 --> 00:02:31,349

ON WEDNESDAY, APRIL 28TH AS THE CREW-1 TEAM

57

00:02:31,349 --> 00:02:34,500

UNDOCKS FROM THE SPACE STATION EARLY THAT  
MORNING

58

00:02:34,500 --> 00:02:37,746

BEFORE DEORBITING AND LANDING OFF THE COAST  
OF FLORIDA.

59

00:02:38,394 --> 00:02:40,776

AND THAT'S SPACE TO GROUND FOR THIS WEEK.