SpacetoGround

1
00:00:02,970 --> 00:00:05,210
"HOUSTON, STATION ON SPACE TO GROUND."

2
00:00:05,210 --> 00:00:08,153
WELCOME TO SPACE TO GROUND, I'M KAYLA LAFRANCE.

3
00:00:08,153 --> 00:00:11,250
IT WAS AN EXCITING WEEK AS THE INTERNATIONAL
SPACE STATION

4
00:00:11,250 --> 00:00:13,710
PREPARES FOR AN HISTORIC MISSION.

5
00:00:14,658 --> 00:00:15,840
ON NOVEMBER 7th,

6
00:00:15,840 --> 00:00:18,060
THE 4 MEMBERS OF THE CREW-1 MISSION

7
00:00:18,060 --> 00:00:20,640
ARRIVED AT THE KENNEDY SPACE CENTER IN FLORIDA

8
00:00:20,640 --> 00:00:23,800
FOR THEIR UPCOMING LAUNCH TO THE SPACE STATION.

9
00:00:23,800 --> 00:00:25,779
THE SPACEX CREW-1 FLIGHT WILL BE

10
00:00:25,779 --> 00:00:28,919
THE FIRST OPERATIONAL, LONG-DURATION MISSION

11
00:00:28,919 --> 00:00:32,210
TO THE STATION ONBOARD A CREW DRAGON SPACECRAFT

12
00:00:32,210 --> 00:00:35,040
AS PART OF NASA'S COMMERCIAL CREW PROGRAM.

13

00:00:35,040 --> 00:00:36,290
DUBBED RESILIENCE,

14
00:00:36,290 --> 00:00:38,200
THE CREW DRAGON CAPSULE WILL CARRY

15
00:00:38,200 --> 00:00:41,610
NASA ASTRONAUTS MICHAEL HOPKINS, VICTOR GLOVER,

16
00:00:41,610 --> 00:00:45,680
SHANNON WALKER, AND JAXA ASTRONAUT SOICHI
NOGUCHI

17
00:00:45,680 --> 00:00:46,960
TO THE SPACE STATION,

18
00:00:46,960 --> 00:00:48,320
WHERE THEY WILL JOIN THEIR FELLOW

19
00:00:48,320 --> 00:00:51,000
EXPEDITION 64 CREWMATES.

20
00:00:51,000 --> 00:00:53,140
NASA TV WILL HAVE CONTINUOUS COVERAGE

21
00:00:53,140 --> 00:00:54,870
OF THE HISTORIC MISSION,

22
00:00:54,870 --> 00:00:56,140
STARTING AT LIFTOFF FROM

23
00:00:56,140 --> 00:00:58,376
KENNEDY'S LAUNCH COMPLEX 39A,

24
00:00:58,376 --> 00:01:00,800
ALL THE WAY TO THE DOCKING OF RESILIENCE

25
00:01:00,800 --> 00:01:03,410

TO THE FORWARD PORT OF THE ORBITING LABORATORY.

26
00:01:04,083 --> 00:01:05,820
DURING THEIR 6-MONTH STAY ON ORBIT,

27
00:01:05,820 --> 00:01:08,750
THE CREW WILL DON THEIR MICROGRAVITY SCIENCE
CAPS

28
00:01:08,750 --> 00:01:11,909
TO PERFORM MANY NEW SCIENCE EXPERIMENTS.

29
00:01:11,909 --> 00:01:13,510
FROM SPACE GARDENING

30
00:01:13,510 --> 00:01:15,409
TO MICROBES MINING MATERIALS,

31
00:01:15,409 --> 00:01:18,380
THERE ARE MANY EXCITING RESEARCH EXPERIMENTS

32
00:01:18,380 --> 00:01:20,640
PLANNED TO HELP US BETTER UNDERSTAND

33
00:01:20,640 --> 00:01:22,430
THE EFFECTS OF MICROGRAVITY

34
00:01:22,430 --> 00:01:24,710
AND TO LIVE AND OPERATE IN SPACE

35
00:01:24,710 --> 00:01:27,010
FOR LONGER DURATIONS AS WE MOVE TOWARDS

36
00:01:27,010 --> 00:01:29,470
MISSIONS TO THE MOON AND MARS.

37
00:01:29,470 --> 00:01:30,970
ONE SUCH INVESTIGATION WILL BE

38
00:01:30,970 --> 00:01:33,890
THE SPACESUIT EVAPORATION REJECTION

39
00:01:33,890 --> 00:01:36,030
FLIGHT EXPERIMENT OR SERFE.

40
00:01:36,030 --> 00:01:39,350
THIS PAYLOAD IS A TECHNOLOGY DEMONSTRATION

41
00:01:39,350 --> 00:01:41,330
THAT WILL BE LOOK AT THE EFFICIENCY

42
00:01:41,330 --> 00:01:44,060
OF NEW SPACE SUIT COMPONENTS RESPONSIBLE FOR

43
00:01:44,060 --> 00:01:47,350
THERMAL REGULATION, EVAPORATION PROCESSES,

44
00:01:47,350 --> 00:01:49,030
AND PREVENTING CORROSION FOR

45
00:01:49,030 --> 00:01:52,522
THE NEXT GENERATION SPACE SUIT, THE XEMU.

46
00:01:53,979 --> 00:01:55,420
KEEP SENDING YOUR QUESTIONS