



SPACE TO GROUND

1
00:00:00,036 --> 00:00:05,906
SPACE MECHANIC IS AN
AWESOME JOB TITLE.

2
00:00:05,906 --> 00:00:09,836
WELCOME TO SPACE TO
GROUND, I'M DAN HUOT.

3
00:00:10,226 --> 00:00:12,686
SOME IMPORTANT REPAIR
WORK DOMINATED THE WEEK

4
00:00:12,736 --> 00:00:13,996
FOR EXPEDITION 50.

5
00:00:14,766 --> 00:00:16,456
COMMANDER SHANE KIMBROUGH WORKED

6
00:00:16,456 --> 00:00:18,666
ACROSS SEVERAL DAYS
REPLACING PARTS

7
00:00:18,666 --> 00:00:21,926
IN THE OXYGEN GENERATION
SYSTEM, A KEY COMPONENT

8
00:00:21,926 --> 00:00:23,396
OF THE STATION'S LIFE SUPPORT.

9
00:00:23,916 --> 00:00:26,016
IT'S BACK UP AND
RUNNING, AND OPERATES

10
00:00:26,046 --> 00:00:29,706
BY USING A TECHNIQUE CALLED
ELECTROLYSIS TO SPLIT WATER

11
00:00:29,706 --> 00:00:32,556
INTO ITS BASE ELEMENTS,

HYDROGEN AND OXYGEN,

12

00:00:32,866 --> 00:00:35,856
WITH THE OXYGEN GETTING PUMPED
INTO THE STATION'S ATMOSPHERE.

13

00:00:36,456 --> 00:00:39,696
IT'S NOT THE ONLY WAY TO GET THE
VITAL GAS TO THE CREW THOUGH,

14

00:00:39,756 --> 00:00:42,676
WITH THE RUSSIAN ELEKTRON
SYSTEM, STORAGE TANKS

15

00:00:42,766 --> 00:00:44,626
AND RESUPPLY THROUGH SPACECRAFT

16

00:00:44,626 --> 00:00:47,456
LIKE PROGRESS ALL
SUPPLYING OXYGEN.

17

00:00:47,746 --> 00:00:51,096
BACK ON EARTH, THE NEXT CREW
IS ALMOST READY TO LAUNCH.

18

00:00:51,706 --> 00:00:55,496
PEGGY WHITSON, OLEG NOVITSKIY
AND THOMAS PESQUET ARRIVED

19

00:00:55,496 --> 00:00:58,806
IN BAIKONUR FOR THEIR FINAL
PREPARATIONS BEFORE FLIGHT.

20

00:00:59,326 --> 00:01:01,826
THE TRIO WENT THROUGH
THE TRADITIONAL CHECKOUTS

21

00:01:01,826 --> 00:01:05,076
OF THEIR FLIGHT SUITS AND LAUNCH
VEHICLE, WHICH WAS ENCAPSULATED,

22

00:01:05,326 --> 00:01:07,626

AND PLANTED TREES AT
THE COSMONAUT HOTEL.

23

00:01:07,626 --> 00:01:11,176

THEIR LAUNCH IS ON
TRACK FOR NOVEMBER 17TH.

24

00:01:11,306 --> 00:01:14,646

THE SALLY RIDE EARTHKAM IS
GIVING STUDENTS THE CHANCE

25

00:01:14,646 --> 00:01:16,876

TO SEE THEIR PLANET
IN A WHOLE NEW WAY.

26

00:01:17,566 --> 00:01:20,336

THIS WEEK MARKED THE 55TH
MISSION FOR THE PROJECT

27

00:01:20,336 --> 00:01:23,646

THAT ENABLES STUDENTS AROUND
THE WORLD TO LEARN ABOUT EARTH

28

00:01:23,686 --> 00:01:25,716

FROM THE UNIQUE PERSPECTIVE
OF SPACE.

29

00:01:26,386 --> 00:01:28,776

MIDDLE SCHOOL STUDENTS
GET TO REQUEST IMAGES

30

00:01:28,776 --> 00:01:32,186

OF SPECIFIC LOCATIONS ON EARTH
AND THEN GET TO STUDY THEM,

31

00:01:32,226 --> 00:01:35,326

INVOLVING SUBJECTS FROM
GEOGRAPHY AND SCIENCE TO ART.

32

00:01:35,896 --> 00:01:38,506

HEAD OVER TO EARTHKAM.ORG
TO LEARN MORE

33

00:01:38,546 --> 00:01:41,376

AND SEE HOW YOUR CLASS CAN
SIGN UP FOR THE NEXT MISSION.

34

00:01:41,786 --> 00:01:45,306

THIS WEEK'S QUESTION COMES
FROM MARIE HENRIKSEN WHO WANTS

35

00:01:45,346 --> 00:01:47,886

TO KNOW HOW LONG THE
METEOR EXPERIMENT WILL LAST

36

00:01:47,886 --> 00:01:49,546

AND WHERE SHE CAN FOLLOW ALONG.

37

00:01:49,796 --> 00:01:52,106

IT'LL BE AROUND FOR
AWHILE, AND BRUSHING

38

00:01:52,106 --> 00:01:54,386

UP ON YOUR JAPANESE WILL
HELP YOU FOLLOW ALONG.

39

00:01:55,216 --> 00:01:57,486

RIGHT NOW, METEOR IS
SCHEDULED TO CONTINUE

40

00:01:57,486 --> 00:02:02,036

UNTIL SEPTEMBER 2017, WITH MORE
VIDEOS OF SPACEROCKS BURNING

41

00:02:02,036 --> 00:02:04,426

UP IN OUR ATMOSPHERE
COMING DOWN ALL THE TIME.

42

00:02:05,036 --> 00:02:08,526

GO TO THE URL BELOW TO SEE
THE JAPANESE CHIBA INSTITUTE'S

43

00:02:08,666 --> 00:02:12,686

PLANETARY EXPLORATION RESEARCH
CENTER AND DOZENS OF VIDEOS

44

00:02:12,686 --> 00:02:14,696

OF METEORS STREAKING
ACROSS THE SKY.

45

00:02:14,696 --> 00:02:18,726

<http://go.nasa.gov/2eUcw xv>

KEEP SENDING