



SPACE TO GROUND

1
00:00:00,046 --> 00:00:04,366
"HOUSTON, STATION ON SPACE TO
GROUND" PREPARE FOR LANDING.

2
00:00:05,246 --> 00:00:07,726
WELCOME TO SPACE TO
GROUND, I'M ISIDRO REYNA.

3
00:00:08,016 --> 00:00:11,286
THIS WEEK, THREE CREWMEMBERS ON
BOARD STATION ARE GETTING READY

4
00:00:11,286 --> 00:00:12,406
FOR A TRIP BACK TO EARTH.

5
00:00:12,996 --> 00:00:16,826
SHANE KIMBROUGH, SERGEY RYZHIKOV
AND ANDREY BORISENKO ARE SLATED

6
00:00:16,826 --> 00:00:18,466
TO TRAVEL BACK TO
EARTH ON MONDAY

7
00:00:18,506 --> 00:00:19,996
FOR A LANDING IN KAZAKHSTAN.

8
00:00:20,406 --> 00:00:22,506
KIMBROUGH WILL RELINQUISH
COMMAND OF THE STATION

9
00:00:22,506 --> 00:00:26,076
TO PEGGY WHITSON ON APRIL 9,
WHICH WILL MARK HER SECOND TIME

10
00:00:26,296 --> 00:00:28,246
AS COMMANDER OF THE
ORBITING LABORATORY.

11
00:00:28,806 --> 00:00:31,806

POISED TO BREAK THE RECORD FOR
CUMULATIVE TIME SPENT IN SPACE

12

00:00:31,886 --> 00:00:35,146
BY A U.S. ASTRONAUT, WHITSON
IS SET TO EXTEND HER MISSION

13

00:00:35,406 --> 00:00:38,056
WITH AN ADDITIONAL THREE
MONTHS INTO EXPEDITION 52.

14

00:00:38,626 --> 00:00:41,526
BE SURE TO WATCH THE
ENTIRE EVENT ON NASA TV.

15

00:00:42,556 --> 00:00:44,286
WITH ANOTHER SPACEWALK
IN THE BOOKS,

16

00:00:44,606 --> 00:00:47,586
MISSION CONTROL HOUSTON
REFLECTS ON FINDING ANSWERS

17

00:00:47,586 --> 00:00:51,026
TO A PROBLEM 250
MILES ABOVE THE EARTH.

18

00:00:51,916 --> 00:00:53,956
TRAVELING 12 TIMES
THE SPEED OF A BULLET,

19

00:00:54,276 --> 00:00:57,336
A CLOTH BLANKET GOT AWAY
DURING THE MARCH 30TH SPACEWALK

20

00:00:57,646 --> 00:00:59,736
AND IMMEDIATELY DRIFTED
OUT OF REACH INTO SPACE -

21

00:01:00,066 --> 00:01:02,026

AWAY FROM THE STATION -FOREVER.

22

00:01:02,516 --> 00:01:05,246
WHILE IT POSED NO DANGER TO
THE CREW AS IT FLOATED AWAY,

23

00:01:05,546 --> 00:01:07,336
THERE WAS AN IMMEDIATE PROBLEM.

24

00:01:07,336 --> 00:01:09,926
AN IMPORTANT STATION DOCKING
PORT NEEDED THE BLANKET

25

00:01:09,976 --> 00:01:11,976
FOR PROTECTION FROM
THE EXTREMES OF SPACE.

26

00:01:12,616 --> 00:01:15,616
MISSION CONTROL HOUSTON WENT TO
WORK TO COME UP WITH A SOLUTION

27

00:01:15,826 --> 00:01:16,906
FOR PROTECTING THE PORT

28

00:01:16,906 --> 00:01:19,836
WITH A DIFFERENT COVER REMOVED
EARLIER IN THE SPACEWALK.

29

00:01:20,266 --> 00:01:22,146
A TEAM OF DESIGNERS, ANALYSTS

30

00:01:22,146 --> 00:01:23,946
AND ENGINEERS WORKED
BEHIND THE SCENES

31

00:01:23,946 --> 00:01:26,496
WITH OPERATIONS ENGINEERS,
FLIGHT CONTROLLERS,

32

00:01:26,666 --> 00:01:29,946
AND CREW MEMBERS TO SOLVE THE
PROBLEM AND LEAVE PLENTY OF TIME

33
00:01:29,946 --> 00:01:32,086
TO ACCOMPLISH EVERY
TASK ON THE SPACEWALK.

34
00:01:32,846 --> 00:01:34,826
THIS WEEK'S QUESTION
COMES FROM STUDENTS

35
00:01:34,826 --> 00:01:36,556
AT BETSY ROSS ELEMENTARY SCHOOL.

36
00:01:37,006 --> 00:01:39,786
THEY WANT TO KNOW HOW ASTRONAUTS
CONSUME NUTRIENTS IN SPACE.

37
00:01:40,556 --> 00:01:42,746
LET'S CHECK IN WITH THE
CREW ON BOARD THE STATION.

38
00:01:42,746 --> 00:01:44,356
COMMANDER SHANE KIMBROUGH:
GREAT QUESTION,

39
00:01:44,356 --> 00:01:45,806
FOOD IS ALWAYS AN IMPORTANT PART

40
00:01:45,806 --> 00:01:48,496
OF EVERYBODY'S WORLD
I GUESS, SAME WITH US.

41
00:01:48,526 --> 00:01:50,836
PEGGY IS SHOWING A FEW
OF OUR CHOICES HERE.

42
00:01:51,186 --> 00:01:54,716
WITH A DRIONK BAG, A POUCH OF

FOOD AS WELL AS DEHYDRATED FOOD,

43

00:01:55,206 --> 00:01:57,756

WE DO HAVE 150 OR SO, I THINK.

44

00:01:57,756 --> 00:02:00,416

THAT'S VERY GOOD, IT DOES
GIVE US A LOT OF VARIETY,

45

00:02:00,416 --> 00:02:02,906

SO WE DON'T GET BORED WITH
THE SAME FOOD OVER AND OVER.

46

00:02:03,416 --> 00:02:05,686

AND WE'RE LUCKY ENOUGH
TO HAVE RUSSIAN CREWMATES

47

00:02:05,686 --> 00:02:07,906

AND FRENCH ASTRONAUTS
ON THIS MISSION,

48

00:02:08,276 --> 00:02:10,466

SO WE GET TO ENJOY
RUSSIAN FOOD AS WELL

49

00:02:10,466 --> 00:02:11,856

AS FRENCH FOOD SOMETIMES.

50

00:02:11,856 --> 00:02:15,276

IT KEEPS THE VARIETY NICE
AND DOESN'T LET US GET BORED

51

00:02:15,276 --> 00:02:16,046

WITH WHAT WE ARE HAVING.

52

00:02:16,456 --> 00:02:18,406

BUT IT'S VERY IMPORTANT
FOR US TO EAT ENOUGH

53

00:02:18,406 --> 00:02:20,346
AND GET THE NUTRITIONAL
VALUE THAT YOU MENTIONED,

54

00:02:20,346 --> 00:02:23,296
SO THAT OUR BONES AND MUSCLE
DON'T DECAY WHILE THEY'RE

55

00:02:23,296 --> 00:02:24,096
UP HERE IN SPACE.

56

00:02:24,896 --> 00:02:27,156
KEEP SENDING YOUR
QUESTIONS USING THE HASHTAG