



# SPACE TO GROUND

1  
00:00:00,606 --> 00:00:02,986  
"HOUSTON, STATION  
ON SPACE TO GROUND."

2  
00:00:02,986 --> 00:00:05,196  
WELCOME TO SPACE TO  
GROUND, I'M ISIDRO REYNA.

3  
00:00:05,506 --> 00:00:08,116  
THIS WEEK ON STATION,  
ONE SPACEWALK TOOK PLACE,

4  
00:00:08,356 --> 00:00:09,486  
AND ANOTHER ONE WAS MOVED.

5  
00:00:10,106 --> 00:00:12,956  
INTERNATIONAL SPACE STATION  
MANAGERS RESCHEDULED A U.S.

6  
00:00:12,956 --> 00:00:15,216  
SPACEWALK POSTPONED THIS  
WEEK TO MID-FEBRUARY.

7  
00:00:15,586 --> 00:00:18,876  
ASTRONAUTS MARK VANDE HEI AND  
NORISHIGE KANAI ARE PLANNING

8  
00:00:18,876 --> 00:00:20,546  
TO BEGIN THEIR SPACEWALK ON FEB.

9  
00:00:20,546 --> 00:00:24,106  
15TH TO STOW AND REPOSITION A  
PAIR OF LATCHING END EFFECTORS.

10  
00:00:24,396 --> 00:00:27,016  
THE END EFFECTORS ARE ROBOTIC  
HANDS ATTACHED TO THE TIP

11  
00:00:27,016 --> 00:00:30,226

OF THE CANADARM2 THAT GRAPPLE  
AND RELEASE CARGO SHIPS

12

00:00:30,386 --> 00:00:31,856  
AND EXTERNAL STATION HARDWARE.

13

00:00:32,586 --> 00:00:36,086  
ON FRIDAY, EXPEDITION  
54 COSMONAUTS INSTALLED

14

00:00:36,086 --> 00:00:38,256  
AND REMOVED GEAR ON THE  
RUSSIAN SIDE OF THE STATION.

15

00:00:38,726 --> 00:00:41,426  
ALEXANDER MISURKIN AND  
ANTON SHKAPLEROV PUT

16

00:00:41,426 --> 00:00:43,666  
ON THEIR ORLAN SPACESUITS  
AND SPACEWALKED

17

00:00:43,736 --> 00:00:46,856  
TO REPLACE AN ELECTRONICS BOX  
FOR A COMMUNICATIONS ANTENNA

18

00:00:46,996 --> 00:00:49,156  
ON THE AFT END OF THE  
ZVEZDA SERVICE MODULE.

19

00:00:49,736 --> 00:00:52,476  
THE OLD BOX WAS JETTISONED  
INTO SPACE TO EVENTUALLY BURN

20

00:00:52,476 --> 00:00:53,636  
UP IN THE EARTH'S ATMOSPHERE.

21

00:00:54,096 --> 00:00:56,936  
THE RUSSIAN SPACEWALK WAS THE  
FOURTH IN MISURKIN'S CAREER

22  
00:00:57,046 --> 00:01:00,816  
AND THE SECOND FOR SHKAPLEROV,  
AS WELL AS THE 207TH SPACEWALK

23  
00:01:00,866 --> 00:01:02,876  
IN SUPPORT OF SPACE STATION  
ASSEMBLY AND MAINTENANCE.

24  
00:01:03,856 --> 00:01:07,046  
STUDENTS AND TEACHERS ATTENDING  
THE SPACE EXPLORATION EDUCATORS

25  
00:01:07,046 --> 00:01:09,626  
CONFERENCE IN HOUSTON HAD  
AN OPPORTUNITY TO SPEAK

26  
00:01:09,626 --> 00:01:11,256  
TO THE CREW ON BOARD  
THE STATION.

27  
00:01:11,746 --> 00:01:12,626  
"HI JOE, THIS IS MICHAEL

28  
00:01:12,626 --> 00:01:14,036  
FROM FIELDSTON LOWER  
SCHOOL IN THE BRONX.

29  
00:01:14,626 --> 00:01:17,336  
WHAT ADVICE WOULD YOU HAVE FOR  
STUDENTS WHO WANT TO BE A PART

30  
00:01:17,336 --> 00:01:18,626  
OF THE EXPLORATION OF SPACE?"

31  
00:01:19,086 --> 00:01:21,046  
"IF I HAD TO GIVE  
SOMEBODY SOME ADVICE,

32

00:01:21,046 --> 00:01:23,106  
I MIGHT SAY, BE CREATIVE.

33  
00:01:23,626 --> 00:01:27,636  
IF WE'RE GOING TO EXPLORE AND GO  
PLACES WE'VE NEVER GONE BEFORE,

34  
00:01:28,226 --> 00:01:29,666  
WE NEED TO THINK  
OUTSIDE OF THE BOX.

35  
00:01:29,666 --> 00:01:32,926  
WE NEED TO USE EVERY BIT  
OF CREATIVITY WE HAVE.

36  
00:01:33,666 --> 00:01:35,466  
BE PASSIONATE ABOUT WHAT YOU DO

37  
00:01:35,646 --> 00:01:38,936  
BECAUSE SPACE EXPLORATION IS NOT  
EASY, AND IT TAKES A LONG PERIOD

38  
00:01:38,936 --> 00:01:40,546  
OF TIME, SO YOU GOT  
TO BE PATIENT.

39  
00:01:40,876 --> 00:01:43,356  
BUT IF YOU LOVE IT I THINK THE  
REWARDS ARE GOING TO BE GREAT

40  
00:01:43,526 --> 00:01:46,036  
AND IT'S JUST SOMETHING  
IN US THAT WE NEED TO DO,

41  
00:01:46,036 --> 00:01:49,426  
SO FOLLOW THAT DREAM AND TELL  
THEM TO DO IT, AND WE NEED THEM

42  
00:01:49,426 --> 00:01:51,256  
TO DO IT, SO THAT'S

PRETTY EXCITING."

43

00:01:52,236 --> 00:01:53,796

KEEP SENDING YOUR  
QUESTIONS USING THE

44

00:01:53,796 --> 00:01:55,046

HASHTAG SPACE-TO-GROUND.

45

00:01:55,486 --> 00:01:58,416

BY THE WAY, DID YOU KNOW THAT  
THE INTERNATIONAL SPACE STATION,

46

00:01:58,456 --> 00:02:01,346

WHERE JOE ACABA LIVES AND  
WORKS, IS ABOUT THE SAME SIZE

47

00:02:01,346 --> 00:02:03,836

AS THE FOOTBALL FIELD THAT  
THE TEAMS FROM PHILADELPHIA

48

00:02:03,836 --> 00:02:05,966

AND NEW ENGLAND WILL PLAY  
ON DURING THE BIG GAME?

49

00:02:06,356 --> 00:02:07,976

THE SPACE STATION IS SO BIG,

50

00:02:08,156 --> 00:02:09,766

IT CAN BE SPOTTED  
WITH THE NAKED EYE.

51

00:02:10,256 --> 00:02:12,826

JUST GO TO THE SPOT THE STATION  
WEBSITE AND ENTER THE NAME

52

00:02:12,826 --> 00:02:15,766

OF YOUR TOWN TO FIND OUT WHEN  
THE STATION WILL BE OVERHEAD

53

00:02:15,766 --> 00:02:16,336

IN YOUR AREA.

54

00:02:16,806 --> 00:02:17,876

IT'S THAT EASY!