



SPACE TO GROUND

1
00:00:00,606 --> 00:00:02,536
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:03,176 --> 00:00:05,086
WELCOME TO SPACE TO
GROUND, I'M GARY JORDAN.

3
00:00:05,446 --> 00:00:07,926
THAT'S TWO SPACEWALKS
DOWN AND ONE TO GO.

4
00:00:08,786 --> 00:00:10,376
NASA ASTRONAUTS RANDY BRESNIK

5
00:00:10,376 --> 00:00:13,356
AND MARK VANDE HEI DONNED THEIR
SPACESUITS FOR A SECOND TIME

6
00:00:13,356 --> 00:00:15,906
ON TUESDAY TO CONTINUE
MAINTENANCE ON THE OUTSIDE

7
00:00:15,906 --> 00:00:17,496
OF THE INTERNATIONAL
SPACE STATION.

8
00:00:18,176 --> 00:00:20,836
THE DUO REPLACED FAILING
STANDARD DEFINITION CAMERA

9
00:00:20,836 --> 00:00:23,366
THAT WAS SHOWING A PINK IMAGE
WITH A HIGH DEFINITION CAMERA.

10
00:00:23,966 --> 00:00:25,636
THEY ALSO SPENT SOME
TIME APPLYING GREASE

11

00:00:25,636 --> 00:00:28,146
TO THE LATCHING END EFFECTOR
THAT HAD JUST BEEN INSTALLED

12
00:00:28,146 --> 00:00:29,166
ON THE LAST SPACEWALK.

13
00:00:29,666 --> 00:00:31,606
OF COURSE, IN THE ALMOST
SIX AND A HALF HOURS

14
00:00:31,606 --> 00:00:33,716
THAT THE SPACEWALKERS
WERE OUTSIDE THE STATION,

15
00:00:34,086 --> 00:00:35,756
THEY FINISHED A FEW
MORE MAINTENANCE ITEMS

16
00:00:35,806 --> 00:00:38,596
AND EVEN GOT AHEAD ON EXTRA
WORK THAT NEEDED TO BE DONE.

17
00:00:39,306 --> 00:00:42,076
ONE MORE SPACEWALK TO GO IN
OCTOBER, WHERE BRESNIK WILL TEAM

18
00:00:42,076 --> 00:00:45,186
UP WITH JOE ACABA TO CONTINUE
INSTALLING MORE HIGH DEFINITION

19
00:00:45,186 --> 00:00:47,006
CAMERAS AND APPLY MORE GREASE

20
00:00:47,006 --> 00:00:49,836
INTO THE NEWLY INSTALLED
LATCHING END EFFECTOR AT THE END

21
00:00:49,836 --> 00:00:51,176
OF THE STATION'S ROBOTIC ARM.

22

00:00:52,066 --> 00:00:53,956

THIS WEEK'S TWITTER
QUESTION COMES FROM GRAYSON,

23

00:00:54,256 --> 00:00:56,416

WHO WANTS TO KNOW IF THERE
ARE ANY AREAS ON THE STATION

24

00:00:56,416 --> 00:00:58,286

WHERE ARTIFICIAL GRAVITY
HAS BEEN GENERATED.

25

00:00:58,696 --> 00:01:01,306

NOT LIKE YOU SEE IN THE MOVIES
BUT ON A SMALLER SCALE, YES.

26

00:01:02,376 --> 00:01:04,286

THE CELL BIOLOGY
EXPERIMENT FACILITY

27

00:01:04,286 --> 00:01:05,746

ON THE STATION IS AN INCUBATOR

28

00:01:05,876 --> 00:01:07,706

FOR VARIOUS LIFE
SCIENCES EXPERIMENTS,

29

00:01:07,736 --> 00:01:10,166

LIKE CELL CULTIVATION
AND PLANT BIOLOGY.

30

00:01:10,886 --> 00:01:12,956

THE RACK CAN GENERATE
AN ENVIRONMENT FAVORABLE

31

00:01:12,956 --> 00:01:15,126

TO WHATEVER LIFE SCIENCE
EXPERIMENT IT HOLDS,

32

00:01:15,546 --> 00:01:17,326

CONTROLLING TEMPERATURE,
HUMIDITY,

33

00:01:17,576 --> 00:01:20,196

CARBON DIOXIDE CONCENTRATION,
EVEN GRAVITY.

34

00:01:20,596 --> 00:01:23,076

THERE IS A COMPARTMENT FOR
MICROGRAVITY AND ANOTHER

35

00:01:23,146 --> 00:01:25,066

THAT CAN ADJUST GRAVITY
FROM POINT 1

36

00:01:25,126 --> 00:01:27,096

TO 2 G'S THROUGH A CENTRIFUGE.

37

00:01:28,096 --> 00:01:30,066

KEEP SENDING US YOUR
QUESTIONS USING THE HASHTAG