



SPACE TO GROUND

1
00:00:00,600 --> 00:00:02,520
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:03,680 --> 00:00:06,460
THE NEW U.S. HIGH-TIME
SPACE NINJA!

3
00:00:07,980 --> 00:00:10,600
WELCOME TO SPACE TO
GROUND, I'M DAN HUOT.

4
00:00:10,760 --> 00:00:13,906
PEGGY WHITSON IS NOW THE
RECORD HOLDER FOR MOST TIME

5
00:00:13,906 --> 00:00:15,656
IN SPACE FOR AN AMERICAN.

6
00:00:16,416 --> 00:00:18,746
SHE SURPASSED JEFF
WILLIAMS' MARK

7
00:00:18,746 --> 00:00:22,266
OF 534 DAYS EARLY
ON MONDAY MORNING.

8
00:00:22,756 --> 00:00:27,946
WHEN SHE LAUNCHED LAST NOVEMBER,
PEGGY ALREADY HAD 377 DAYS

9
00:00:27,946 --> 00:00:31,266
IN SPACE FROM TWO PREVIOUS
LONG DURATION MISSIONS.

10
00:00:32,256 --> 00:00:35,176
ALONG WITH BEING THE FIRST
WOMAN TO COMMAND THE STATION,

11

00:00:35,420 --> 00:00:37,400

NOT TO MENTION THE
FIRST TO DO IT TWICE,

12

00:00:37,880 --> 00:00:40,540

AND BEING THE CURRENT RECORD
HOLDER FOR MOST SPACEWALKS

13

00:00:40,566 --> 00:00:43,356

BY A FEMALE ASTRONAUT,
PEGGY IS ONE

14

00:00:43,356 --> 00:00:46,496

OF THE MOST ACCOMPLISHED
ASTRONAUTS IN NASA'S HISTORY.

15

00:00:47,106 --> 00:00:50,016

AND ON MONDAY, SHE GOT A
VERY SPECIAL CONGRATULATIONS:

16

00:00:50,566 --> 00:00:54,446

"TODAY COMMANDER WHITSON,
YOU HAVE BROKEN THE RECORD

17

00:00:54,546 --> 00:00:58,656

FOR THE MOST TOTAL TIME SPENT IN
SPACE BY AN AMERICAN ASTRONAUT,

18

00:00:59,076 --> 00:01:04,186

534 DAYS AND COUNTING. THAT'S
AN INCREDIBLE RECORD TO BREAK,

19

00:01:04,786 --> 00:01:09,426

AND ON BEHALF OF OUR NATION AND
FRANKLY ON BEHALF OF THE WORLD,

20

00:01:09,996 --> 00:01:11,586

I'D LIKE TO CONGRATULATE YOU."

21

00:01:12,306 --> 00:01:15,556

THERE ARE SO MANY INCREDIBLE
THINGS TO SEE IN SPACE,

22

00:01:15,686 --> 00:01:18,436

AND FOR THE FIRST TIME
EVER, WE SAW THEM LIVE

23

00:01:18,436 --> 00:01:20,266

IN ULTRA-HIGH DEFINITION.

24

00:01:21,036 --> 00:01:23,756

TALKING TO A PANEL AT
THE NATIONAL ASSOCIATION

25

00:01:23,756 --> 00:01:27,516

OF BROADCASTERS CONVENTION IN
LAS VEGAS AND GOING OUT LIVE

26

00:01:27,576 --> 00:01:30,276

TO VIEWERS AROUND THE
WORLD, PEGGY WHITSON

27

00:01:30,276 --> 00:01:32,956

AND JACK FISCHER DID THE
FIRST EVER DEMONSTRATION

28

00:01:33,176 --> 00:01:36,186

OF LIVE ULTRA-HIGH
DEFINITION VIDEO FROM SPACE.

29

00:01:37,296 --> 00:01:40,716

WITH FOUR TIMES THE
RESOLUTION OF REGULAR HD,

30

00:01:40,946 --> 00:01:43,716

WE'RE ABLE TO SEE ALL
OF THE STUNNING MARVELS

31

00:01:43,716 --> 00:01:45,946

OF SPACE WITH UNREAL CLARITY.

32

00:01:46,566 --> 00:01:48,846

"PROBABLY THE BIGGEST IMPACT

33

00:01:49,236 --> 00:01:54,416

THAT THESE TECHNOLOGIES WILL
HAVE IS BRINGING EVERYONE ELSE

34

00:01:54,416 --> 00:01:57,646

ON THE PLANET TO SEE THESE
AMAZING SITES THAT WE GET

35

00:01:57,646 --> 00:02:00,020

TO SEE EVERYDAY,
AND INSPIRE THEM

36

00:02:00,020 --> 00:02:02,900

TO PUSH BEYOND JUST
LIVING ON EARTH."

37

00:02:03,620 --> 00:02:07,280

BE SURE TO CHECK OUT OUR YOUTUBE
CHANNEL FOR MORE 4K CONTENT

38

00:02:07,476 --> 00:02:09,956

TO EXPERIENCE SPACE
LIKE NEVER BEFORE.

39

00:02:10,936 --> 00:02:14,346

THIS WEEK'S TWITTER QUESTION
COMES FROM STEM CLASS MMS 8

40

00:02:14,346 --> 00:02:17,700

AND THEY WANTED TO KNOW IF
THE ISS HAS A RESCUE VEHICLE

41

00:02:17,700 --> 00:02:20,680

THAT CAN RETRIEVE OBJECTS
THAT FLOAT AWAY FROM STATION.

42

00:02:21,026 --> 00:02:23,556

THEY DON'T, WHICH IS WHY
IT'S REALLY IMPORTANT

43

00:02:23,556 --> 00:02:26,466

TO KEEP TRACK OF EVERYTHING.

44

00:02:26,466 --> 00:02:29,006

AS YOU MIGHT HAVE SEEN
DURING A RECENT SPACEWALK,

45

00:02:29,006 --> 00:02:31,716

OBJECTS DO OCCASIONALLY
GET AWAY FROM ASTRONAUTS

46

00:02:31,776 --> 00:02:33,076

AND FLOAT OFF INTO SPACE.

47

00:02:33,746 --> 00:02:34,706

IF THEY'RE LARGE ENOUGH,

48

00:02:34,776 --> 00:02:38,456

PEOPLE ON THE GROUND CAN TRACK
THEM EVEN AS THEY FLY FAR AWAY

49

00:02:38,516 --> 00:02:41,296

FROM THE STATION TO MAKE SURE
THEY AREN'T GOING TO COME BACK

50

00:02:41,296 --> 00:02:42,436

AROUND AND HIT ANYTHING.

51

00:02:43,026 --> 00:02:44,796

AS FOR THE ASTRONAUTS
THEMSELVES,

52

00:02:44,846 --> 00:02:47,566

THEY HAVE SMALL JET PACKS
ATTACHED TO THEIR SPACESUITS

53

00:02:47,866 --> 00:02:49,646

IN CASE THEY FLOAT
AWAY FROM STATION,

54

00:02:50,006 --> 00:02:51,836

SO NO RESCUE VEHICLE REQUIRED.

55

00:02:52,796 --> 00:02:54,686

KEEP SENDING YOUR
QUESTIONS USING THE