



# SPACE TO GROUND

1

00:00:00,980 --> 00:00:03,340

"HOUSTON, STATION ON SPACE TO GROUND"

2

00:00:04,080 --> 00:00:08,180

JACK FISCHER

MIGHT SET THE RECORD FOR MOST "AWESOMES" IN A SPACEFLIGHT.

3

00:00:08,806 --> 00:00:10,176

JACK: "Oh my gosh,  
this is beautiful!"

4

00:00:10,180 --> 00:00:11,140

PEGGY: "Isn't it?"

5

00:00:12,540 --> 00:00:14,880

JACK: "The biggest slice of  
awesome pie I've ever seen,"

6

00:00:15,680 --> 00:00:17,100

PEGGY: "No awesome sauce?"

7

00:00:17,520 --> 00:00:21,316

JACK: "How about a...fondue pot?"

8

00:00:21,316 --> 00:00:23,376

"An enormous fondue pot bubbling

9

00:00:23,376 --> 00:00:25,566

over with piping  
hot awesome sauce!"

10

00:00:26,806 --> 00:00:29,126

WELCOME TO SPACE TO  
GROUND, I'M DAN HUOT.

11

00:00:29,126 --> 00:00:33,146

ANOTHER SPACEWALK IS  
IN THE BOOKS FOR 2017.

12

00:00:33,956 --> 00:00:37,736

NASA'S PEGGY WHITSON AND JACK  
FISCHER SPENT SEVERAL HOURS

13

00:00:37,836 --> 00:00:41,386

WORKING IN THE VACUUM OF SPACE,  
CRAWLING AROUND THE STATION

14

00:00:41,386 --> 00:00:44,186

IN THEIR BIG WHITE  
SPACESUITS TO INSTALL AND SWAP

15

00:00:44,186 --> 00:00:46,116

OUT A NUMBER OF HARDWARE ITEMS.

16

00:00:46,596 --> 00:00:49,216

THEY COMPLETED THEIR  
PRIMARY TASK TO SWAP

17

00:00:49,216 --> 00:00:52,926

OUT SOMETHING CALLED EXPECA,  
WHICH PROVIDES POWER AND DATA

18

00:00:53,086 --> 00:00:55,686

TO EXPERIMENTS HOUSED  
OUTSIDE THE STATION.

19

00:00:56,426 --> 00:00:58,626

THEY ALSO INSTALLED  
SOME TEST EQUIPMENT

20

00:00:58,626 --> 00:01:00,526

ON THE ALPHA MAGNETIC  
SPECTROMETER.

21

00:01:00,836 --> 00:01:04,586

THIS WAS THE NINTH SPACEWALK FOR  
PEGGY AND THE FIRST FOR JACK.

22

00:01:05,696 --> 00:01:09,056  
SOME PRETTY INCREDIBLE  
ROBOTICS TOOK PLACE LAST WEEKEND

23  
00:01:09,056 --> 00:01:11,116  
IN THE LATEST ADVENTURES  
OF DEXTRE.

24  
00:01:12,156 --> 00:01:14,256  
JUST ONE WEEK BEFORE  
THE SPACEWALK,

25  
00:01:14,256 --> 00:01:17,476  
ROBOTICS CONTROLLERS USED  
THE SPECIAL PURPOSE DEXTEROUS

26  
00:01:17,476 --> 00:01:20,106  
MANIPULATOR, OR DEXTRE, TO SWAP

27  
00:01:20,106 --> 00:01:22,346  
OUT A MAJOR POWER  
RELAY COMPONENT.

28  
00:01:22,886 --> 00:01:24,736  
CALLED A MAIN BUS  
SWITCHING UNIT,

29  
00:01:24,986 --> 00:01:27,546  
THE POWER BOX WAS STILL  
ROUTING ELECTRICITY

30  
00:01:27,836 --> 00:01:30,016  
BUT LOST ITS COMMUNICATION  
CAPABILITIES,

31  
00:01:30,346 --> 00:01:32,036  
MEANING IT NEEDED  
TO BE REPLACED.

32  
00:01:32,866 --> 00:01:36,426

USING DEXTRE AND CANADARM2,  
THE TEAMS INSTALLED

33

00:01:36,426 --> 00:01:38,516

IN A REPLACEMENT  
BOX IN AN OPERATION

34

00:01:38,736 --> 00:01:40,646

THAT HAD NEVER BEEN DONE BEFORE.

35

00:01:40,946 --> 00:01:43,896

IN FACT, UNTIL NOW, THESE  
COULD ONLY BE REPLACED

36

00:01:43,926 --> 00:01:45,456

BY SPACEWALKING ASTRONAUTS.

37

00:01:45,946 --> 00:01:47,646

SCORE ONE FOR THE GROUND TEAMS.

38

00:01:49,026 --> 00:01:52,096

THIS WEEK'S TWITTER QUESTION  
COMES FROM TARIN DAKOTA

39

00:01:52,356 --> 00:01:53,176

WHO WANTS TO KNOW

40

00:01:53,176 --> 00:01:55,456

IF THE ASTRONAUTS CAN  
EAT WHATEVER THEY WANT

41

00:01:55,746 --> 00:01:58,146

OR ARE THE MEALS ARRANGED  
BY A NUTRITIONIST.

42

00:01:58,806 --> 00:02:01,186

IT'S A BIT OF BOTH, WITH  
THE ASTRONAUTS PICKING FOOD

43

00:02:01,186 --> 00:02:04,646  
PREFLIGHT WITH GUIDANCE  
ON NUTRITION.

44  
00:02:04,646 --> 00:02:08,066  
EACH ASTRONAUT TESTS OUT THEIR  
PROSPECTIVE FOODS BEFORE FLIGHT

45  
00:02:08,136 --> 00:02:09,576  
FROM OUR FOOD LAB'S MENU,

46  
00:02:09,896 --> 00:02:12,776  
WITH OUR EXPERTS MAKING SURE  
THEY'LL GET THE RIGHT BALANCE

47  
00:02:12,776 --> 00:02:15,406  
OF NUTRITION TO STAY  
HEALTHY WHILE IN ORBIT.

48  
00:02:16,016 --> 00:02:19,166  
ONCE ONBOARD THOUGH, WHAT THEY  
EAT AND WHEN IS UP TO THEM.

49  
00:02:19,826 --> 00:02:21,576  
JACK FISCHER HAS  
BEEN SHOWING OFF SOME

50  
00:02:21,576 --> 00:02:23,886  
OF HIS NEW FAVORITE  
FOODS ON ORBIT LATELY,

51  
00:02:24,116 --> 00:02:26,656  
ALONG WITH A PRETTY  
DELICIOUS LOOKING CREATION.

52  
00:02:27,866 --> 00:02:30,426  
KEEP SENDING YOUR  
QUESTIONS USING THE HASHTAG