



SPACE TO GROUND

1
00:00:00,600 --> 00:00:02,840
"HOUSTON, STATION
ON SPACE TO GROUND."

2
00:00:03,980 --> 00:00:06,620
NOTHING LIKE A SURPRISE
SPACEWALK!

3
00:00:07,660 --> 00:00:09,920
WELCOME TO SPACE TO
GROUND, I'M DAN HUOT.

4
00:00:10,236 --> 00:00:13,736
PEGGY WHITSON AND JACK FISCHER
RETURNED TO THE VACUUM OF SPACE

5
00:00:13,736 --> 00:00:15,606
FOR A LITTLE REPAIR
WORK ON TUESDAY.

6
00:00:16,516 --> 00:00:20,486
THE PAIR WENT OUTSIDE TO REPLACE
A COMPUTER RELAY BOX CALLED AN

7
00:00:20,486 --> 00:00:23,116
EXTERNAL MDM THAT
FAILED OVER THE WEEKEND.

8
00:00:23,586 --> 00:00:26,476
PEGGY WORKED TO REMOVE
THE OLD MDM AND SWAP

9
00:00:26,476 --> 00:00:28,596
IN A NEW ONE SHE'D
BUILT UP AND TESTED.

10
00:00:28,596 --> 00:00:31,786
MEANWHILE JACK CRAWLED
AROUND THE DESTINY LAB

11
00:00:31,786 --> 00:00:34,920
TO INSTALL TWO NEW WIRELESS
COMMUNICATION ANTENNAS

12
00:00:34,920 --> 00:00:37,640
THAT WILL IMPROVE SIGNAL
ON FUTURE SPACEWALKS.

13
00:00:38,166 --> 00:00:40,956
THEY WERE FINISHED IN ONLY
2 HOURS AND 41 MINUTES,

14
00:00:40,956 --> 00:00:43,826
WHICH WAS LONG ENOUGH TO
BUMP PEGGY UP TO THIRD

15
00:00:43,826 --> 00:00:45,846
ON THE ALL-TIME SPACEWALKING
LIST.

16
00:00:46,826 --> 00:00:50,136
THOMAS PESQUET FOUND HIMSELF
IN A STRANGE POSITION THIS WEEK

17
00:00:50,136 --> 00:00:51,866
FOR THE BENEFIT OF
SPACE SCIENCE.

18
00:00:52,760 --> 00:00:55,560
THE GRASP EXPERIMENT IS
TRYING TO GET A HANDLE

19
00:00:55,560 --> 00:00:58,536
ON THE ROLE GRAVITY PLAYS
WITH THE HUMAN NERVOUS SYSTEM

20
00:00:58,536 --> 00:01:00,666
AND HOW WE ADAPT
TO LIVING IN SPACE.

21
00:01:01,206 --> 00:01:04,996
USING VIRTUAL REALITY AND
MOTION TRACKING, THOMAS REACHED

22
00:01:04,996 --> 00:01:08,666
OUT FOR VIRTUAL OBJECTS, GIVING
RESEARCHERS A BETTER IDEA

23
00:01:08,666 --> 00:01:11,946
OF HOW IMPORTANT GRAVITY
IS COMPARED TO OTHER SENSES

24
00:01:11,946 --> 00:01:14,556
WHEN TRYING TO INTERACT OR
PICK THINGS UP IN SPACE.

25
00:01:15,120 --> 00:01:18,200
THIS COULD BE HUGELY HELPFUL
IN TRAINING ASTRONAUTS

26
00:01:18,200 --> 00:01:21,536
FOR SPACEWALKS AS WELL AS
GIVING A BETTER UNDERSTANDING

27
00:01:21,540 --> 00:01:24,500
OF HAND-EYE COORDINATION
IN GENERAL FOR US ON EARTH.

28
00:01:25,540 --> 00:01:28,236
WHEN'S HE'S NOT FIXING UP
THE ORBITING LABORATORY

29
00:01:28,240 --> 00:01:30,440
OR PERFORMING CUTTING
EDGE SCIENCE,

30
00:01:30,440 --> 00:01:34,120
JACK FISCHER IS TAKING SPACE
DESSERTS TO A WHOLE NEW LEVEL.

31
00:01:34,846 --> 00:01:38,896
JACK SHOWED OFF HIS MOST RECENT
CREATION, THE BITESIZE MOUNTAIN

32
00:01:38,896 --> 00:01:42,286
OF YUMIOSITY, COMPLETE WITH
INSTRUCTIONS ON HOW TO ENJOY.

33
00:01:42,880 --> 00:01:45,720
HE AND THOMAS PESQUET ALSO
BROKE OUT SOME PUDDING

34
00:01:45,720 --> 00:01:48,000
FOR A SPECTACULAR ZERO-G SNACK.

35
00:01:48,660 --> 00:01:51,786
I'VE SAID IT BEFORE, BUT IF YOU
AREN'T FOLLOWING JACK'S AWESOME

36
00:01:51,786 --> 00:01:52,736
MISSION OF AWESOMENESS

37
00:01:52,736 --> 00:01:56,086
ON TWITTER @ASTRO2FISH,
YOU REALLY NEED TO.

38
00:01:56,920 --> 00:01:59,280
KEEP SENDING YOUR
QUESTIONS USING THE HASHTAG