



SPACE TO GROUND

1
00:00:04,710 --> 00:00:02,950
houston station on space to ground

2
00:00:06,309 --> 00:00:04,720
welcome to space to ground your weekly

3
00:00:08,070 --> 00:00:06,319
look at what's happening on board the

4
00:00:10,150 --> 00:00:08,080
international space station i'm dan

5
00:00:12,230 --> 00:00:10,160
hewitt it was a bit of spring training

6
00:00:14,629 --> 00:00:12,240
for all six crew members on board this

7
00:00:16,230 --> 00:00:14,639
week they took part in an emergency

8
00:00:18,950 --> 00:00:16,240
simulation with mission control in

9
00:00:20,790 --> 00:00:18,960
houston and in moscow the crew rehearsed

10
00:00:22,710 --> 00:00:20,800
where to shelter if the station ever

11
00:00:25,109 --> 00:00:22,720
goes through a rapid depressurization

12
00:00:26,870 --> 00:00:25,119
event and terry virts and samantha chris

13
00:00:29,509 --> 00:00:26,880

ferretti got some practice time in with

14

00:00:31,589 --> 00:00:29,519

canada arm 2 the station's robotic arm

15

00:00:33,830 --> 00:00:31,599

which they'll use to reach out and grab

16

00:00:35,590 --> 00:00:33,840

the spacex dragon cargo ship set to

17

00:00:37,110 --> 00:00:35,600

launch next week

18

00:00:39,830 --> 00:00:37,120

did you know there's an entire

19

00:00:42,150 --> 00:00:39,840

population of microbes living inside and

20

00:00:44,229 --> 00:00:42,160

outside your body well there is and

21

00:00:46,790 --> 00:00:44,239

these tiny organisms can have a big

22

00:00:48,869 --> 00:00:46,800

effect on your health the microbiome

23

00:00:50,790 --> 00:00:48,879

experiment is one of the focuses of the

24

00:00:52,630 --> 00:00:50,800

one year mission and it studies how the

25

00:00:55,350 --> 00:00:52,640

balance of microbes in a crew member's

26
00:00:57,590 --> 00:00:55,360
body changes when living in space these

27
00:00:59,750 --> 00:00:57,600
minute creatures play an important role

28
00:01:02,150 --> 00:00:59,760
in how our bodies function from helping

29
00:01:04,710 --> 00:01:02,160
us absorb nutrients to altering how well

30
00:01:06,710 --> 00:01:04,720
our immune system works studying changes

31
00:01:08,710 --> 00:01:06,720
in their behavior can help us prepare

32
00:01:10,870 --> 00:01:08,720
future astronauts for working in the

33
00:01:13,190 --> 00:01:10,880
extreme environment of space

34
00:01:15,190 --> 00:01:13,200
this week brian wants to know what one

35
00:01:17,590 --> 00:01:15,200
item or area of earth astronauts are

36
00:01:19,270 --> 00:01:17,600
most drawn to well one spectacle that

37
00:01:21,429 --> 00:01:19,280
was a favorite of canadian astronaut

38
00:01:23,590 --> 00:01:21,439

chris hadfield and is a recent fixation

39

00:01:26,149 --> 00:01:23,600

for current commander terry virts is

40

00:01:27,990 --> 00:01:26,159

thunderstorms many astronauts that have

41

00:01:29,830 --> 00:01:28,000

spent a few months staring at earth have

42

00:01:31,830 --> 00:01:29,840

talked about how remarkable the

43

00:01:34,469 --> 00:01:31,840

lightning inside of storms and the cloud

44

00:01:36,310 --> 00:01:34,479

formations themselves look from orbit in

45

00:01:38,469 --> 00:01:36,320

fact terry virts recently shared a

46

00:01:40,230 --> 00:01:38,479

series of storms he captured even

47

00:01:41,910 --> 00:01:40,240

getting some mind-blowing images from

48

00:01:43,670 --> 00:01:41,920

typhoon maysack

49

00:01:45,270 --> 00:01:43,680

make sure to keep sending your questions