



SPACE TO GROUND

1
00:00:04,630 --> 00:00:02,869
houston station on space to ground

2
00:00:06,230 --> 00:00:04,640
welcome to space to ground your weekly

3
00:00:07,909 --> 00:00:06,240
look at what's happening on board the

4
00:00:10,230 --> 00:00:07,919
international space station i'm dan

5
00:00:12,549 --> 00:00:10,240
hewitt even though he's in space scott

6
00:00:14,549 --> 00:00:12,559
kelly is getting ready for flu season

7
00:00:16,470 --> 00:00:14,559
the one-year crew member gave himself a

8
00:00:18,950 --> 00:00:16,480
flu vaccine as part of a study on the

9
00:00:20,550 --> 00:00:18,960
human immune system in space scott's

10
00:00:22,790 --> 00:00:20,560
twin brother mark is receiving the

11
00:00:24,470 --> 00:00:22,800
vaccine down here on the ground allowing

12
00:00:26,710 --> 00:00:24,480
scientists to monitor their different

13
00:00:28,390 --> 00:00:26,720

reactions researchers are using the

14

00:00:30,390 --> 00:00:28,400

brothers to take an important step

15

00:00:32,470 --> 00:00:30,400

towards solving the issue of a weakened

16

00:00:33,910 --> 00:00:32,480

immune system while in microgravity

17

00:00:35,830 --> 00:00:33,920

something that could cause serious

18

00:00:36,790 --> 00:00:35,840

problems for astronauts on deep space

19

00:00:38,229 --> 00:00:36,800

missions

20

00:00:40,630 --> 00:00:38,239

and it was movie night on the space

21

00:00:42,950 --> 00:00:40,640

station over the weekend the expedition

22

00:00:44,869 --> 00:00:42,960

45 crew got a sneak preview of what a

23

00:00:46,630 --> 00:00:44,879

trip to mars might look like with the

24

00:00:48,869 --> 00:00:46,640

space premiere of the new film the

25

00:00:50,709 --> 00:00:48,879

martian with a real trip to the red

26
00:00:52,630 --> 00:00:50,719
planet in our not too distant future

27
00:00:56,069 --> 00:00:52,640
it's important to test out all of the

28
00:00:58,470 --> 00:00:56,079
necessary systems head over to nasa.gov

29
00:01:00,470 --> 00:00:58,480
iss science to learn more including the

30
00:01:02,069 --> 00:01:00,480
top 10 ways the station is helping us

31
00:01:03,990 --> 00:01:02,079
get to mars

32
00:01:05,750 --> 00:01:04,000
this week's question is for scott kelly

33
00:01:08,230 --> 00:01:05,760
and it comes from his fellow astronaut

34
00:01:10,789 --> 00:01:08,240
dr chris beck well it comes from actor

35
00:01:13,429 --> 00:01:10,799
sebastian stan who plays dr chris beck

36
00:01:15,670 --> 00:01:13,439
in the martian scott you're spending a

37
00:01:17,510 --> 00:01:15,680
whole year in space what's one thing you

38
00:01:19,270 --> 00:01:17,520

would change about the space station if

39

00:01:21,030 --> 00:01:19,280

you had to spend almost three years on

40

00:01:22,789 --> 00:01:21,040

it on a trip to mars

41

00:01:25,190 --> 00:01:22,799

well if i could change one thing it'd be

42

00:01:27,670 --> 00:01:25,200

that's pretty easy it'd be uh the

43

00:01:30,310 --> 00:01:27,680

radiation uh shielding we have you know

44

00:01:32,870 --> 00:01:30,320

this space station is pretty capable

45

00:01:35,190 --> 00:01:32,880

pretty incredible place and uh has a lot

46

00:01:37,270 --> 00:01:35,200

of the capability you need to go to mars

47

00:01:39,030 --> 00:01:37,280

but that's that's one thing we need more

48

00:01:40,469 --> 00:01:39,040

of because here we get a you know get

49

00:01:42,469 --> 00:01:40,479

the protection of the earth and the

50

00:01:43,990 --> 00:01:42,479

magnetic field of the earth

51

00:01:45,749 --> 00:01:44,000

well that's it for this week keep

52

00:01:47,749 --> 00:01:45,759

sending us your questions and comments