



SPACE TO GROUND

1
00:00:05,190 --> 00:00:03,189
houston station on space to ground

2
00:00:06,789 --> 00:00:05,200
welcome to space to ground your weekly

3
00:00:08,549 --> 00:00:06,799
look at what's happening on board the

4
00:00:10,870 --> 00:00:08,559
international space station i'm dan

5
00:00:13,190 --> 00:00:10,880
hewitt the recent arrival of the new

6
00:00:15,910 --> 00:00:13,200
spacex dragon ship meant one thing this

7
00:00:18,790 --> 00:00:15,920
week for the station crew science time

8
00:00:20,630 --> 00:00:18,800
they dedicated close to 60 hours to work

9
00:00:23,109 --> 00:00:20,640
on research that will be making the

10
00:00:25,029 --> 00:00:23,119
return trip on dragon in may some of

11
00:00:26,710 --> 00:00:25,039
those studies include an investigation

12
00:00:29,109 --> 00:00:26,720
into making bones stay healthy and

13
00:00:30,950 --> 00:00:29,119

strong testing the radiation resistance

14

00:00:33,510 --> 00:00:30,960

of a new material that could one day be

15

00:00:35,910 --> 00:00:33,520

used as a synthetic muscle for robotic

16

00:00:37,510 --> 00:00:35,920

explorers the second round of rodent

17

00:00:40,310 --> 00:00:37,520

research investigations that are

18

00:00:42,869 --> 00:00:40,320

evaluating muscle atrophy eye structure

19

00:00:45,190 --> 00:00:42,879

and bone density changes in microgravity

20

00:00:47,750 --> 00:00:45,200

and the nematode muscle experiment which

21

00:00:49,430 --> 00:00:47,760

uses worms to look at molecular changes

22

00:00:51,430 --> 00:00:49,440

that occur in space

23

00:00:53,110 --> 00:00:51,440

and the benefits for humanity video

24

00:00:54,869 --> 00:00:53,120

series is highlighting a station

25

00:00:56,069 --> 00:00:54,879

technology that's helping the earth

26

00:00:57,990 --> 00:00:56,079

right now

27

00:01:00,549 --> 00:00:58,000

this newest installment features the

28

00:01:03,189 --> 00:01:00,559

hyperspectral imager for coastal oceans

29

00:01:05,750 --> 00:01:03,199

or hico a specialized imaging device

30

00:01:08,070 --> 00:01:05,760

that allowed scientists to literally see

31

00:01:10,149 --> 00:01:08,080

in a whole new light providing important

32

00:01:12,469 --> 00:01:10,159

data on water quality that affects

33

00:01:15,109 --> 00:01:12,479

millions of americans head over to

34

00:01:17,270 --> 00:01:15,119

nasa.gov station benefits to watch the

35

00:01:19,749 --> 00:01:17,280

full video and learn other ways we're

36

00:01:21,749 --> 00:01:19,759

working off the earth for the earth

37

00:01:23,990 --> 00:01:21,759

this week we have a question we'd like

38

00:01:26,469 --> 00:01:24,000

you to answer where over the world is

39

00:01:28,469 --> 00:01:26,479

astronaut scott kelly in this new

40

00:01:30,630 --> 00:01:28,479

contest the one-year crew member will

41

00:01:33,270 --> 00:01:30,640

tweet out a photo of a new geographic

42

00:01:34,870 --> 00:01:33,280

location each wednesday the first person

43

00:01:36,789 --> 00:01:34,880

to reply to the tweet correctly

44

00:01:39,910 --> 00:01:36,799

identifying the location will win a

45

00:01:41,510 --> 00:01:39,920

photo print of it autographed by kelly

46

00:01:44,069 --> 00:01:41,520

follow him on twitter at station

47

00:01:45,670 --> 00:01:44,079

commander kelly and good luck meanwhile

48

00:01:47,749 --> 00:01:45,680

make sure to keep sending your questions