



SPACE TO GROUND

1
00:00:04,710 --> 00:00:03,030
houston station on space to ground

2
00:00:06,389 --> 00:00:04,720
welcome to space to ground your weekly

3
00:00:08,150 --> 00:00:06,399
look at what's happening on board the

4
00:00:10,549 --> 00:00:08,160
international space station i'm dan

5
00:00:12,310 --> 00:00:10,559
hewitt the cruise week began early on

6
00:00:15,110 --> 00:00:12,320
sunday with the arrival of the russian

7
00:00:16,870 --> 00:00:15,120
progress 60 cargo ship the unmanned

8
00:00:19,189 --> 00:00:16,880
spacecraft delivered more than three

9
00:00:21,990 --> 00:00:19,199
tons of cargo and fuel to the station

10
00:00:25,109 --> 00:00:22,000
including over 3 100 pounds of spare

11
00:00:27,029 --> 00:00:25,119
parts and food for expedition 44. it

12
00:00:28,870 --> 00:00:27,039
will stay attached to the piers docking

13
00:00:30,550 --> 00:00:28,880

compartment for the next four months

14

00:00:32,229 --> 00:00:30,560

before being loaded up with trash and

15

00:00:33,350 --> 00:00:32,239

being sent off to burn up in earth's

16

00:00:35,030 --> 00:00:33,360

atmosphere

17

00:00:37,190 --> 00:00:35,040

this week we're taking a look at how

18

00:00:39,830 --> 00:00:37,200

microgravity is helping to treat an

19

00:00:41,590 --> 00:00:39,840

incurable disease here on earth the

20

00:00:43,590 --> 00:00:41,600

latest installment in our benefits for

21

00:00:45,990 --> 00:00:43,600

humanity series looks at how high

22

00:00:47,910 --> 00:00:46,000

quality crystals grown in microgravity

23

00:00:49,350 --> 00:00:47,920

may lead to new treatments for diseases

24

00:00:51,590 --> 00:00:49,360

here on the ground

25

00:00:53,830 --> 00:00:51,600

using research conducted in space

26
00:00:56,470 --> 00:00:53,840
scientists with the japanese aerospace

27
00:00:58,389 --> 00:00:56,480
exploration agency are working to design

28
00:01:01,189 --> 00:00:58,399
a drug that could slow the progression

29
00:01:03,349 --> 00:01:01,199
of a serious muscle disease by half

30
00:01:05,270 --> 00:01:03,359
to see the full story and to learn more

31
00:01:08,070 --> 00:01:05,280
about how the station benefits life on

32
00:01:10,710 --> 00:01:08,080
earth head over to nasa.gov station

33
00:01:13,270 --> 00:01:10,720
benefits this week philip wants to know

34
00:01:15,429 --> 00:01:13,280
what animals have been to the iss quite

35
00:01:17,590 --> 00:01:15,439
a few actually as animals can play a

36
00:01:19,109 --> 00:01:17,600
vital role in teaching us more about our

37
00:01:21,350 --> 00:01:19,119
own bodies

38
00:01:24,310 --> 00:01:21,360

so far the station has been visited by

39

00:01:26,310 --> 00:01:24,320

mice several species of fish worms

40

00:01:28,630 --> 00:01:26,320

spiders and a number of insects

41

00:01:30,950 --> 00:01:28,640

including flies and ants

42

00:01:33,190 --> 00:01:30,960

many of these serve as model organisms

43

00:01:35,270 --> 00:01:33,200

studying human health and space as they

44

00:01:37,749 --> 00:01:35,280

undergo changes in microgravity much

45

00:01:40,870 --> 00:01:37,759

faster than humans and can be studied in

46

00:01:42,630 --> 00:01:40,880

a much larger sample size at a time

47

00:01:44,550 --> 00:01:42,640

make sure to keep sending your questions