



# SPACE TO GROUND

1  
00:00:04,789 --> 00:00:03,110  
houston station on space to ground

2  
00:00:06,389 --> 00:00:04,799  
welcome to space to ground your weekly

3  
00:00:08,230 --> 00:00:06,399  
look at what's happening on board the

4  
00:00:10,870 --> 00:00:08,240  
international space station i'm dan

5  
00:00:12,789 --> 00:00:10,880  
hewitt it's storm season for many places

6  
00:00:14,789 --> 00:00:12,799  
around the globe and the station trained

7  
00:00:17,750 --> 00:00:14,799  
its eyes on one of the biggest ones yet

8  
00:00:19,590 --> 00:00:17,760  
in 2015. onboard cameras and the

9  
00:00:22,150 --> 00:00:19,600  
astronauts were able to capture these

10  
00:00:24,150 --> 00:00:22,160  
views of super typhoon soulalore in the

11  
00:00:26,150 --> 00:00:24,160  
northwestern pacific as it headed

12  
00:00:29,189 --> 00:00:26,160  
towards taiwan and china packing

13  
00:00:31,750 --> 00:00:29,199

sustained winds as high as 160 miles per

14

00:00:34,389 --> 00:00:31,760

hour the station regularly captures

15

00:00:36,870 --> 00:00:34,399

views of natural phenomena like typhoons

16

00:00:38,709 --> 00:00:36,880

volcanoes and floods and sends those

17

00:00:40,709 --> 00:00:38,719

images to experts on the ground for

18

00:00:42,150 --> 00:00:40,719

extra help with emergency planning and

19

00:00:43,830 --> 00:00:42,160

response

20

00:00:45,590 --> 00:00:43,840

in station science this week we're

21

00:00:47,910 --> 00:00:45,600

looking at a study aimed at protecting

22

00:00:48,869 --> 00:00:47,920

the hearts of astronauts both on and off

23

00:00:51,430 --> 00:00:48,879

the earth

24

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

cardio ox uses an ultrasound along with

25

00:00:55,189 --> 00:00:53,120

biomedical samples to look for

26  
00:00:56,950 --> 00:00:55,199  
indicators of heart disease and whether

27  
00:00:58,470 --> 00:00:56,960  
those are elevated in astronauts

28  
00:01:00,950 --> 00:00:58,480  
spending long durations living in

29  
00:01:02,950 --> 00:01:00,960  
microgravity this will be important for

30  
00:01:05,270 --> 00:01:02,960  
keeping future explorers spending

31  
00:01:07,109 --> 00:01:05,280  
extreme lengths of time living in zero-g

32  
00:01:09,429 --> 00:01:07,119  
safe but it could also improve our

33  
00:01:10,630 --> 00:01:09,439  
understanding of cardiovascular disease

34  
00:01:12,630 --> 00:01:10,640  
on the ground

35  
00:01:15,030 --> 00:01:12,640  
and just in case you missed it scott

36  
00:01:16,870 --> 00:01:15,040  
kelly did the first ever live tweet chat

37  
00:01:18,789 --> 00:01:16,880  
from space over the weekend

38  
00:01:20,630 --> 00:01:18,799

kelly used some of his down time to

39

00:01:22,870 --> 00:01:20,640

answer questions about the finer points

40

00:01:24,870 --> 00:01:22,880

of living in space for a whole year with

41

00:01:26,310 --> 00:01:24,880

an extra special fan chiming in to ask

42

00:01:29,030 --> 00:01:26,320

if he ever looked out the window and

43

00:01:31,030 --> 00:01:29,040

just freaked out that fan was president

44

00:01:32,870 --> 00:01:31,040

obama and kelly let him know that he

45

00:01:35,270 --> 00:01:32,880

only freaks out when the president of

46

00:01:37,429 --> 00:01:35,280

the united states tweets him be sure to

47

00:01:39,190 --> 00:01:37,439

follow at station commander kelly on

48

00:01:40,710 --> 00:01:39,200

twitter so you can keep up with scott's

49

00:01:42,389 --> 00:01:40,720

urine space too

50

00:01:44,230 --> 00:01:42,399

and make sure to keep sending us your

