



# SPACE TO GROUND

1  
00:00:08,150 --> 00:00:03,669  
houston station on space to ground

2  
00:00:10,070 --> 00:00:08,160  
three million photos and counting

3  
00:00:12,549 --> 00:00:10,080  
welcome to space to ground i'm dan

4  
00:00:15,270 --> 00:00:12,559  
hewitt photography on the space station

5  
00:00:18,150 --> 00:00:15,280  
crossed an unbelievable milestone this

6  
00:00:20,950 --> 00:00:18,160  
week since the first expedition arrived

7  
00:00:23,990 --> 00:00:20,960  
more than 15 years ago crew members have

8  
00:00:26,230 --> 00:00:24,000  
now taken over three million images on

9  
00:00:28,950 --> 00:00:26,240  
board the international space station

10  
00:00:31,029 --> 00:00:28,960  
these include shots of science thousands

11  
00:00:33,830 --> 00:00:31,039  
of maintenance photos for engineers on

12  
00:00:36,310 --> 00:00:33,840  
the ground views of life on board and

13  
00:00:38,950 --> 00:00:36,320

tons of our beautiful planet the

14

00:00:41,270 --> 00:00:38,960

expedition 47 crew marked the occasion

15

00:00:43,190 --> 00:00:41,280

with this group shot inside the russian

16

00:00:45,350 --> 00:00:43,200

service module

17

00:00:48,150 --> 00:00:45,360

a lot of science is set to return on

18

00:00:50,549 --> 00:00:48,160

spacex's dragon next week and one small

19

00:00:52,150 --> 00:00:50,559

module shows just how diverse the fields

20

00:00:55,110 --> 00:00:52,160

of study can be

21

00:00:57,350 --> 00:00:55,120

the nanoracks 51 module was prepared for

22

00:01:00,310 --> 00:00:57,360

return this week and it contains four

23

00:01:02,869 --> 00:01:00,320

very unique projects housed inside is an

24

00:01:05,750 --> 00:01:02,879

investigation studying antibiotic use to

25

00:01:08,469 --> 00:01:05,760

inhibit staphylococcus aureus bacteria a

26  
00:01:10,550 --> 00:01:08,479  
common cause of skin infections another

27  
00:01:13,590 --> 00:01:10,560  
study looking at the rate at which yeast

28  
00:01:14,830 --> 00:01:13,600  
decomposes organic matter a plant growth

29  
00:01:17,030 --> 00:01:14,840  
study looking at whether

30  
00:01:19,910 --> 00:01:17,040  
steroid-enhanced plants grow better in

31  
00:01:22,630 --> 00:01:19,920  
space and even whether an enzyme derived

32  
00:01:24,630 --> 00:01:22,640  
from fireflies can cause bioluminescence

33  
00:01:26,550 --> 00:01:24,640  
in microgravity

34  
00:01:29,190 --> 00:01:26,560  
this week stanley wants to know what the

35  
00:01:30,870 --> 00:01:29,200  
schedule is like on board iss how much

36  
00:01:33,510 --> 00:01:30,880  
time per day is spent conducting

37  
00:01:36,149 --> 00:01:33,520  
experiments well one of the aspects of

38  
00:01:38,950 --> 00:01:36,159

life in space astronauts like most is

39

00:01:41,350 --> 00:01:38,960

that every day is always different

40

00:01:43,910 --> 00:01:41,360

the crew schedule is roughly split into

41

00:01:46,389 --> 00:01:43,920

three categories science maintenance and

42

00:01:48,389 --> 00:01:46,399

daily life so a normal day is about four

43

00:01:50,550 --> 00:01:48,399

hours of research four hours of

44

00:01:53,350 --> 00:01:50,560

operational duties and four hours of

45

00:01:55,109 --> 00:01:53,360

eating exercising and more that balance

46

00:01:57,030 --> 00:01:55,119

is always shifting though as some

47

00:01:59,109 --> 00:01:57,040

science experiments can consume a crew

48

00:02:01,109 --> 00:01:59,119

member's entire day or if something

49

00:02:03,590 --> 00:02:01,119

critical breaks the astronauts go into

50

00:02:05,350 --> 00:02:03,600

serious repair mode and as we saw last

51

00:02:07,510 --> 00:02:05,360

week the crew was buried under an

52

00:02:09,430 --> 00:02:07,520

avalanche of cargo as they packed dragon

53

00:02:11,589 --> 00:02:09,440

to get it ready to leave

54

00:02:14,070 --> 00:02:11,599

keep sending us your questions using the