



# Space **to** Ground

1  
00:00:06,950 --> 00:00:05,030  
houston station on space to ground

2  
00:00:09,270 --> 00:00:06,960  
welcome to space to ground i'm shanique

3  
00:00:11,270 --> 00:00:09,280  
wolverine this week nasa announced an

4  
00:00:14,150 --> 00:00:11,280  
extended mission for an astronaut and

5  
00:00:15,589 --> 00:00:14,160  
cosmonaut completed a spacewalk and saw

6  
00:00:17,750 --> 00:00:15,599  
some spicy blooms aboard the

7  
00:00:20,630 --> 00:00:17,760  
international space station

8  
00:00:23,189 --> 00:00:20,640  
on sunday september 12th european space

9  
00:00:25,269 --> 00:00:23,199  
agency astronaut tomah pesquet and japan

10  
00:00:27,670 --> 00:00:25,279  
aerospace exploration agency astronaut

11  
00:00:29,910 --> 00:00:27,680  
aki hoshide ventured outside the quest

12  
00:00:32,470 --> 00:00:29,920  
airlock to prepare for more solar array

13  
00:00:35,190 --> 00:00:32,480

upgrades the space walkers installed a

14

00:00:37,030 --> 00:00:35,200

modification kit or support bracket to

15

00:00:39,350 --> 00:00:37,040

prepare the outside of the station for

16

00:00:40,229 --> 00:00:39,360

future roll out solar array installation

17

00:00:42,470 --> 00:00:40,239

work

18

00:00:45,990 --> 00:00:42,480

after a successful trip outside the pair

19

00:00:48,310 --> 00:00:46,000

returned after six hours and 54 minutes

20

00:00:50,069 --> 00:00:48,320

all astronauts are explorers at heart

21

00:00:52,389 --> 00:00:50,079

and having the opportunity to contribute

22

00:00:53,510 --> 00:00:52,399

to furthering exploration is a great

23

00:00:55,590 --> 00:00:53,520

opportunity

24

00:00:57,830 --> 00:00:55,600

meanwhile tuesday nasa announced that

25

00:01:00,150 --> 00:00:57,840

nasa astronaut mark vande high and ross

26  
00:01:01,990 --> 00:01:00,160  
cosmo's cosmonaut piotr dubrov would

27  
00:01:05,509 --> 00:01:02,000  
remain aboard the space station until

28  
00:01:07,350 --> 00:01:05,519  
march 2022 upon return to earth vanda

29  
00:01:09,270 --> 00:01:07,360  
high will hold the record for longest

30  
00:01:11,190 --> 00:01:09,280  
single space flight for an american

31  
00:01:14,630 --> 00:01:11,200  
edging out former nasa astronaut scott

32  
00:01:15,990 --> 00:01:14,640  
kelly with a whopping 353 days spin in

33  
00:01:17,670 --> 00:01:16,000  
space

34  
00:01:20,550 --> 00:01:17,680  
and the science onboard the station is

35  
00:01:22,630 --> 00:01:20,560  
good enough to eat well sort of

36  
00:01:24,390 --> 00:01:22,640  
nasa astronaut megan macarthur shared

37  
00:01:26,710 --> 00:01:24,400  
photos of some of the first flowers

38  
00:01:28,870 --> 00:01:26,720

blooming from four pepper plants growing

39

00:01:31,190 --> 00:01:28,880

in the advanced plant habitat aboard the

40

00:01:33,749 --> 00:01:31,200

international space station so looking

41

00:01:36,390 --> 00:01:33,759

in the center of the two flowers that i

42

00:01:39,109 --> 00:01:36,400

can see most easily there is definitely

43

00:01:40,390 --> 00:01:39,119

a dark green form at the base of the

44

00:01:43,030 --> 00:01:40,400

flower

45

00:01:44,789 --> 00:01:43,040

plant habitat 4 experiment is one of the

46

00:01:46,550 --> 00:01:44,799

most challenging plant experiments to

47

00:01:48,310 --> 00:01:46,560

date in part because of the long

48

00:01:50,789 --> 00:01:48,320

germination and growing times of the

49

00:01:53,190 --> 00:01:50,799

peppers nasa astronaut shane kimbrough

50

00:01:55,910 --> 00:01:53,200

initiated the experiment on july 12 and

51  
00:01:57,990 --> 00:01:55,920  
the peppers will grow for 120 days with

52  
00:02:01,109 --> 00:01:58,000  
astronauts harvesting the chilis in late

53  
00:02:02,550 --> 00:02:01,119  
october and then again in early november

54  
00:02:12,420 --> 00:02:02,560  
that's space to ground thanks for

55  
00:02:12,430 --> 00:02:17,589  
[Music]

56  
00:02:26,470 --> 00:02:20,280  
subscribe for more space