



ESA

SPACE TO GROUND

1
00:00:04,150 --> 00:00:02,249
a Houston station on space to ground

2
00:00:06,039 --> 00:00:04,160
welcome to space to ground your weekly

3
00:00:07,630 --> 00:00:06,049
look at what's happening on board the

4
00:00:10,300 --> 00:00:07,640
International Space Station i'm amita

5
00:00:12,340 --> 00:00:10,310
counter the expedition 40 crew kicked

6
00:00:13,780 --> 00:00:12,350
off its work week by servicing one of

7
00:00:15,490 --> 00:00:13,790
the u.s. spacesuits on board

8
00:00:17,620 --> 00:00:15,500
commander Steve Swanson and flight

9
00:00:19,450 --> 00:00:17,630
engineer Reid Wiseman replaced a fan

10
00:00:21,310 --> 00:00:19,460
pump separator that removes moisture

11
00:00:23,620 --> 00:00:21,320
from the suit ventilation loops and

12
00:00:25,750 --> 00:00:23,630
provides oxygen to the crew member to

13
00:00:27,310 --> 00:00:25,760

u.s. spacewalk scheduled for August were

14

00:00:28,240 --> 00:00:27,320

postponed until after the upcoming

15

00:00:29,590 --> 00:00:28,250

SpaceX

16

00:00:31,689 --> 00:00:29,600

or mission launches next month

17

00:00:33,729 --> 00:00:31,699

delivering new spacesuit batteries to

18

00:00:35,739 --> 00:00:33,739

the station and speaking of cargo

19

00:00:37,599 --> 00:00:35,749

deliveries the station crew installed a

20

00:00:39,489 --> 00:00:37,609

new science payload that arrived aboard

21

00:00:42,489 --> 00:00:39,499

Europe's automated Transfer Vehicle the

22

00:00:45,250 --> 00:00:42,499

electro magnetic levitator we will have

23

00:00:46,840 --> 00:00:45,260

molten spheres of metal alloys that we

24

00:00:49,360 --> 00:00:46,850

will float in there and research what

25

00:00:51,369 --> 00:00:49,370

happens to them in all different sorts

26

00:00:53,469 --> 00:00:51,379

of states borrowing a technique

27

00:00:55,329 --> 00:00:53,479

blacksmiths have used for centuries this

28

00:00:57,129 --> 00:00:55,339

research may help industry develop

29

00:00:59,279 --> 00:00:57,139

better materials for use in everyday

30

00:01:01,809 --> 00:00:59,289

products from smartphones to jet engines

31

00:01:03,879 --> 00:01:01,819

research in space is making sea travel

32

00:01:05,679 --> 00:01:03,889

safer for ships around the globe the

33

00:01:07,630 --> 00:01:05,689

latest installment of NASA's benefits

34

00:01:09,910 --> 00:01:07,640

for Humanity series takes us to the high

35

00:01:12,639 --> 00:01:09,920

seas of the frigid Atlantic to learn how

36

00:01:15,310 --> 00:01:12,649

technology developed aboard ISS is being

37

00:01:17,139 --> 00:01:15,320

used to track ships and save lives make

38

00:01:20,050 --> 00:01:17,149

sure to check it out at nasa.gov slash

39

00:01:22,330 --> 00:01:20,060

station benefits this week's social

40

00:01:24,010 --> 00:01:22,340

media question asks what kinds of

41

00:01:26,679 --> 00:01:24,020

cameras are used by the crew to take the

42

00:01:28,899 --> 00:01:26,689

amazing HD photos from orbit well

43

00:01:30,969 --> 00:01:28,909

astronauts aboard the station are using

44

00:01:33,219 --> 00:01:30,979

several off-the-shelf digital SLR

45

00:01:34,810 --> 00:01:33,229

cameras similar to what many aspiring

46

00:01:36,969 --> 00:01:34,820

astronauts photographers here on the

47

00:01:38,740 --> 00:01:36,979

ground use and a host of camera lenses

48

00:01:40,870 --> 00:01:38,750

ranging from an eight millimeter fisheye

49

00:01:42,910 --> 00:01:40,880

to an 800 millimeter lens give the

50

00:01:45,310 --> 00:01:42,920

astronauts more reach and wider angles

51

00:01:46,389 --> 00:01:45,320

to capture those stunning images make

52

00:01:47,739 --> 00:01:46,399

sure to keep sending us your questions