



Spaceto**Ground**

1
00:00:05,650 --> 00:00:02,790
foreign

2
00:00:09,169 --> 00:00:05,660
[Music]

3
00:00:10,850 --> 00:00:09,179
I'm Sandra Jones four humans are back on

4
00:00:12,290 --> 00:00:10,860
planet Earth after a science and

5
00:00:14,390 --> 00:00:12,300
research Mission aboard the

6
00:00:16,310 --> 00:00:14,400
International Space Station yet the

7
00:00:18,170 --> 00:00:16,320
investigations continue aboard the

8
00:00:22,010 --> 00:00:18,180
orbiting Laboratory

9
00:00:24,710 --> 00:00:22,020
after spending 170 days in space NASA's

10
00:00:26,630 --> 00:00:24,720
SpaceX crew 4 Mission splashed down off

11
00:00:28,490 --> 00:00:26,640
the coast of Jacksonville Florida on

12
00:00:30,529 --> 00:00:28,500
Friday after undocking from the

13
00:00:33,049 --> 00:00:30,539

International Space Station just five

14

00:00:35,750 --> 00:00:33,059

hours previously following Splashdown

15

00:00:37,910 --> 00:00:35,760

NASA astronauts Chad lingrin Bob Hines

16

00:00:39,590 --> 00:00:37,920

Jessica Watkins and European Space

17

00:00:41,569 --> 00:00:39,600

Agency astronaut Samantha

18

00:00:44,630 --> 00:00:41,579

christopheretti flew back to Houston and

19

00:00:46,790 --> 00:00:44,640

were greeted by staff and well wishers

20

00:00:48,590 --> 00:00:46,800

it will take some time before we have

21

00:00:51,049 --> 00:00:48,600

results from the science conducted

22

00:00:52,850 --> 00:00:51,059

during crew 4's Mission but results from

23

00:00:55,549 --> 00:00:52,860

previous missions are enlightening us

24

00:00:57,350 --> 00:00:55,559

all the time imagine being able to have

25

00:00:59,270 --> 00:00:57,360

a portable device that could allow

26

00:01:01,250 --> 00:00:59,280

astronauts to self-diagnose medical

27

00:01:03,709 --> 00:01:01,260

conditions while traveling through deep

28

00:01:05,929 --> 00:01:03,719

space this may sound like science

29

00:01:08,090 --> 00:01:05,939

fiction but in a recent technology

30

00:01:10,969 --> 00:01:08,100

demonstration aboard the space station

31

00:01:13,850 --> 00:01:10,979

experts from NASA's exploration medical

32

00:01:16,550 --> 00:01:13,860

capability team successfully tested the

33

00:01:18,590 --> 00:01:16,560

r Health one biomedical analyzer which

34

00:01:21,530 --> 00:01:18,600

is a device that uses Laser Technology

35

00:01:23,929 --> 00:01:21,540

to diagnose illness or injury the device

36

00:01:25,730 --> 00:01:23,939

streams real-time vital signs to the

37

00:01:28,010 --> 00:01:25,740

astronaut and to the medical team on

38

00:01:30,350 --> 00:01:28,020

Earth the crew member collects a single

39

00:01:32,090 --> 00:01:30,360

sample such as blood or saliva and

40

00:01:34,730 --> 00:01:32,100

inserts it into the device for further

41

00:01:36,710 --> 00:01:34,740

analysis results can be communicated to

42

00:01:39,590 --> 00:01:36,720

the astronaut and doctors back on Earth

43

00:01:41,810 --> 00:01:39,600

within minutes as NASA prepares to send

44

00:01:43,789 --> 00:01:41,820

astronauts further into deep space for

45

00:01:45,649 --> 00:01:43,799

longer durations managing and

46

00:01:48,109 --> 00:01:45,659

maintaining their health is a top

47

00:01:50,450 --> 00:01:48,119

priority successful tests like this one

48

00:01:52,789 --> 00:01:50,460

get us closer to designing medical tools

49

00:01:54,230 --> 00:01:52,799

that will accompany our explorers on

50

00:01:56,090 --> 00:01:54,240

their Journey

51
00:01:58,789 --> 00:01:56,100
itching to hear a first person

52
00:02:00,889 --> 00:01:58,799
perspective of launching into space

53
00:02:02,870 --> 00:02:00,899
then be sure to listen to this week's

54
00:02:05,149 --> 00:02:02,880
episode of Houston we have a podcast

55
00:02:06,649 --> 00:02:05,159
which features NASA astronaut Frank

56
00:02:09,469 --> 00:02:06,659
Rubio who launched the International

57
00:02:12,110 --> 00:02:09,479
Space Station just last month in the

58
00:02:13,790 --> 00:02:12,120
episode Rubio takes us behind the scenes

59
00:02:15,530 --> 00:02:13,800
of what it's like to be an astronaut

60
00:02:18,050 --> 00:02:15,540
launch into space experience

61
00:02:20,330 --> 00:02:18,060
microgravity for the first time and even

62
00:02:22,490 --> 00:02:20,340
what sleeping is like while floating you

63
00:02:26,150 --> 00:02:22,500

can find this and other NASA podcasts by

64

00:02:29,030 --> 00:02:26,160

going to nasa.gov podcast Apple podcasts

65

00:02:31,070 --> 00:02:29,040

Google podcast and SoundCloud

66

00:02:32,930 --> 00:02:31,080

and that's space to ground for this week

67

00:02:33,730 --> 00:02:32,940

thanks so much for watching we'll see

68

00:02:44,530 --> 00:02:33,740

you next week