



SPACE TO GROUND

1
00:00:07,110 --> 00:00:03,909
houston station on space to ground

2
00:00:09,110 --> 00:00:07,120
houston we have a beam

3
00:00:11,589 --> 00:00:09,120
welcome to space to ground i'm dan

4
00:00:13,430 --> 00:00:11,599
hewitt history was made over the weekend

5
00:00:16,390 --> 00:00:13,440
with the successful deployment of the

6
00:00:18,950 --> 00:00:16,400
bigelow expandable activity module

7
00:00:21,429 --> 00:00:18,960
called beam for short the module is the

8
00:00:23,830 --> 00:00:21,439
first human rated expandable structure

9
00:00:26,310 --> 00:00:23,840
to ever be deployed in space

10
00:00:28,630 --> 00:00:26,320
jeff williams slowly but surely put air

11
00:00:31,189 --> 00:00:28,640
into the habitat from station over about

12
00:00:34,229 --> 00:00:31,199
seven hours with help from nasa and

13
00:00:36,389 --> 00:00:34,239

bigelow aerospace engineers in houston

14

00:00:38,790 --> 00:00:36,399

with the successful pressurization and

15

00:00:40,950 --> 00:00:38,800

leak checks well underway williams will

16

00:00:44,069 --> 00:00:40,960

once again make history when he enters

17

00:00:46,310 --> 00:00:44,079

beam for the first time on june 6th

18

00:00:48,310 --> 00:00:46,320

another flock of doves took flight from

19

00:00:50,869 --> 00:00:48,320

the station this week

20

00:00:53,910 --> 00:00:50,879

these doves designed built and operated

21

00:00:56,869 --> 00:00:53,920

by planet labs inc are cubesats taking

22

00:00:58,790 --> 00:00:56,879

images of the earth from space 16 more

23

00:01:01,830 --> 00:00:58,800

satellites join the fleet currently

24

00:01:04,469 --> 00:01:01,840

orbiting the planet revisiting populated

25

00:01:06,710 --> 00:01:04,479

areas more than any existing satellites

26
00:01:09,270 --> 00:01:06,720
the images they take are being used for

27
00:01:11,750 --> 00:01:09,280
everything from monitoring deforestation

28
00:01:13,830 --> 00:01:11,760
and urbanization to improving natural

29
00:01:15,670 --> 00:01:13,840
disaster relief and crop yields in

30
00:01:17,830 --> 00:01:15,680
developing countries

31
00:01:20,310 --> 00:01:17,840
a special guest got some face time with

32
00:01:22,870 --> 00:01:20,320
the station crew this week facebook

33
00:01:25,590 --> 00:01:22,880
founder and ceo mark zuckerberg talked

34
00:01:26,469 --> 00:01:25,600
with the expedition 47 crew in a live

35
00:01:28,149 --> 00:01:26,479
event

36
00:01:30,069 --> 00:01:28,159
what is your your favorite or what do

37
00:01:32,149 --> 00:01:30,079
you find to be the most interesting uh

38
00:01:34,069 --> 00:01:32,159

piece of technology involved in getting

39

00:01:36,310 --> 00:01:34,079

to space and operating the space station

40

00:01:38,550 --> 00:01:36,320

and and all of what you guys do we had

41

00:01:40,710 --> 00:01:38,560

the opportunity uh recently to actually

42

00:01:42,230 --> 00:01:40,720

use virtual reality technology around

43

00:01:43,990 --> 00:01:42,240

the space station which is quite

44

00:01:46,789 --> 00:01:44,000

incredible uh you can use view

45

00:01:48,550 --> 00:01:46,799

procedures for example i have 3d mapping

46

00:01:50,710 --> 00:01:48,560

of the space station have ground mission

47

00:01:53,670 --> 00:01:50,720

control being able to point things out

48

00:01:56,069 --> 00:01:53,680

to you so that really has got a large

49

00:01:58,069 --> 00:01:56,079

potential for future operations i think

50

00:02:01,270 --> 00:01:58,079

to watch the full event head over and

51

00:02:03,429 --> 00:02:01,280

follow the iss facebook page

52

00:02:06,149 --> 00:02:03,439

this week vinicius tweeted the entire

53

00:02:09,029 --> 00:02:06,159

iss is the size of a football field but

54

00:02:11,190 --> 00:02:09,039

what is the size inside well good timing

55

00:02:13,110 --> 00:02:11,200

on your question as the total area

56

00:02:15,670 --> 00:02:13,120

inside just changed with our latest

57

00:02:18,550 --> 00:02:15,680

addition with beam now expanded the

58

00:02:19,910 --> 00:02:18,560

total pressurized volume inside station

59

00:02:21,430 --> 00:02:19,920

is 32

60

00:02:23,910 --> 00:02:21,440

898

61

00:02:26,150 --> 00:02:23,920

cubic feet to give you an idea that's

62

00:02:29,350 --> 00:02:26,160

roughly equal in size to the interior

63

00:02:32,309 --> 00:02:29,360

volume of a boeing 747 one of the

64

00:02:35,350 --> 00:02:32,319

largest passenger aircraft ever produced

65

00:02:37,350 --> 00:02:35,360

plenty of room to stretch your legs

66

00:02:39,830 --> 00:02:37,360

keep sending us your questions using the