



SPACE TO GROUND

1
00:00:05,320 --> 00:00:03,550
Houston station on space to ground the

2
00:00:06,969 --> 00:00:05,330
International Space Station gained a new

3
00:00:08,530 --> 00:00:06,979
module last weekend with a successful

4
00:00:11,890 --> 00:00:08,540
installation of the first-ever

5
00:00:14,200 --> 00:00:11,900
human-rated expandable module welcome to

6
00:00:15,520 --> 00:00:14,210
space to ground i'm amiko counter last

7
00:00:16,720 --> 00:00:15,530
saturday the space station crew

8
00:00:19,599 --> 00:00:16,730
installed the Bigelow expandable

9
00:00:21,579 --> 00:00:19,609
Activity module that will help NASA test

10
00:00:23,800 --> 00:00:21,589
new concepts for habitats that can keep

11
00:00:26,739 --> 00:00:23,810
astronauts safe and healthy during space

12
00:00:28,450 --> 00:00:26,749
exploration beam is the first test of

13
00:00:30,279 --> 00:00:28,460

such a module attached to the station

14

00:00:32,080 --> 00:00:30,289

that once deployed in space can provide

15

00:00:35,200 --> 00:00:32,090

additional room for astronauts to live

16

00:00:37,060 --> 00:00:35,210

and work inside beam will be attached to

17

00:00:39,459 --> 00:00:37,070

the station for two years to test how it

18

00:00:41,290 --> 00:00:39,469

protects against solar radiation space

19

00:00:43,840 --> 00:00:41,300

debris and the temperature extremes of

20

00:00:45,939 --> 00:00:43,850

space the newly installed module is set

21

00:00:48,910 --> 00:00:45,949

to be filled with air and expanded to

22

00:00:50,470 --> 00:00:48,920

its full size in May astronauts have

23

00:00:53,169 --> 00:00:50,480

long experienced bone and muscle loss

24

00:00:55,660 --> 00:00:53,179

and impaired immunity in space the wet

25

00:00:57,579 --> 00:00:55,670

lab RN a smart cycler is the latest tool

26
00:00:59,889 --> 00:00:57,589
now helping the researchers combat these

27
00:01:03,340 --> 00:00:59,899
conditions by enabling genomic studies

28
00:01:05,170 --> 00:01:03,350
to be conducted aboard ISS the station

29
00:01:07,359 --> 00:01:05,180
facility is helping scientists study a

30
00:01:09,340 --> 00:01:07,369
wide variety of gene expression research

31
00:01:10,990 --> 00:01:09,350
in space that may help develop

32
00:01:12,550 --> 00:01:11,000
countermeasures for protecting human

33
00:01:15,069 --> 00:01:12,560
health during long-duration space

34
00:01:17,020 --> 00:01:15,079
missions results from gene studies in

35
00:01:20,170 --> 00:01:17,030
space may also aid in treating diseases

36
00:01:22,030 --> 00:01:20,180
here on earth this week on Twitter Josh

37
00:01:24,370 --> 00:01:22,040
wants to know if data will be collected

38
00:01:27,190 --> 00:01:24,380

from being remotely upon its reentry

39

00:01:29,830 --> 00:01:27,200

well Josh re-entry breakup data is not

40

00:01:32,080 --> 00:01:29,840

one of the primary mission objectives so

41

00:01:34,240 --> 00:01:32,090

it is not instrumented once the

42

00:01:36,100 --> 00:01:34,250

expandable module is deployed it will be

43

00:01:37,600 --> 00:01:36,110

tested for the two-year duration of its

44

00:01:40,420 --> 00:01:37,610

stay at the international space station

45

00:01:42,340 --> 00:01:40,430

and will provide the data NASA seeks on

46

00:01:44,859 --> 00:01:42,350

expandable habitats as a viable

47

00:01:47,050 --> 00:01:44,869

permanent feature in space beam will

48

00:01:49,539 --> 00:01:47,060

have succeeded its mission upon reentry

49

00:01:51,010 --> 00:01:49,549

be sure to tune in next week and keep

50

00:01:53,050 --> 00:01:51,020

sending us your questions using the

51

00:01:55,300 --> 00:01:53,060

hashtag space-to-ground we'll see you