



Space**to**Ground

1
00:00:06,490 --> 00:00:02,790
foreign

2
00:00:08,990 --> 00:00:06,500
[Music]

3
00:00:10,610 --> 00:00:09,000
ji there's a full house aboard the space

4
00:00:12,530 --> 00:00:10,620
station the crew welcomed four new

5
00:00:14,030 --> 00:00:12,540
members for an eight-day stay and a few

6
00:00:17,450 --> 00:00:14,040
days later welcomed another delivery

7
00:00:19,430 --> 00:00:17,460
this time it was food Fuel and supplies

8
00:00:21,109 --> 00:00:19,440
Axia mission 2 the company's second

9
00:00:23,570 --> 00:00:21,119
private astronaut mission to the space

10
00:00:25,490 --> 00:00:23,580
station launched on Sunday May 21st with

11
00:00:27,470 --> 00:00:25,500
Commander Peggy Woodson pilot John

12
00:00:29,630 --> 00:00:27,480
schoffner admission specialist Ali

13
00:00:31,550 --> 00:00:29,640

al-karni and Brianna Bernoulli from the

14

00:00:33,530 --> 00:00:31,560

Kingdom of Saudi Arabia crew Dragon

15

00:00:35,389 --> 00:00:33,540

Freedom arrived at the station the next

16

00:00:38,150 --> 00:00:35,399

day bringing in the total crew count up

17

00:00:39,889 --> 00:00:38,160

to 11. the Axiom space astronauts are

18

00:00:42,110 --> 00:00:39,899

expected to depart the station on Friday

19

00:00:44,270 --> 00:00:42,120

May 30th for a return to Earth and a

20

00:00:46,610 --> 00:00:44,280

Splashdown off the coast of Florida

21

00:00:48,650 --> 00:00:46,620

another launch took place this week when

22

00:00:49,850 --> 00:00:48,660

a progress cargo spacecraft made its way

23

00:00:53,750 --> 00:00:49,860

to the space station packed with

24

00:00:55,670 --> 00:00:53,760

supplies and liftoff liftoff of the 84th

25

00:00:57,830 --> 00:00:55,680

progress resupply ship to the

26
00:01:00,110 --> 00:00:57,840
International Space Station on Wednesday

27
00:01:02,990 --> 00:01:00,120
May 24th progress 84 launched from the

28
00:01:04,969 --> 00:01:03,000
beitner cosmetrome in Kazakhstan a few

29
00:01:06,890 --> 00:01:04,979
hours later the spacecraft arrived to

30
00:01:08,510 --> 00:01:06,900
the orbiting Outpost and docked to the

31
00:01:10,789 --> 00:01:08,520
poisk module on the Russian segment

32
00:01:11,750 --> 00:01:10,799
bringing with it vital supplies for the

33
00:01:13,789 --> 00:01:11,760
crew

34
00:01:15,710 --> 00:01:13,799
long duration space flight is on the

35
00:01:17,810 --> 00:01:15,720
horizon but what effects will such space

36
00:01:19,250 --> 00:01:17,820
travel have on the human body in order

37
00:01:20,749 --> 00:01:19,260
for us to be prepared and keep

38
00:01:22,910 --> 00:01:20,759

astronauts safe we need to understand

39

00:01:25,550 --> 00:01:22,920

what happens to humans in low earth

40

00:01:28,190 --> 00:01:25,560

orbit over long stretches of time before

41

00:01:30,830 --> 00:01:28,200

making say A Journey to Mars that can

42

00:01:32,810 --> 00:01:30,840

last up to two years or more

43

00:01:34,969 --> 00:01:32,820

astronauts today typically spend about

44

00:01:37,069 --> 00:01:34,979

six months on the station while some

45

00:01:39,289 --> 00:01:37,079

NASA astronauts have spent closer to a

46

00:01:42,050 --> 00:01:39,299

year in orbit together these space

47

00:01:43,910 --> 00:01:42,060

Journeys have made scientists curious as

48

00:01:46,370 --> 00:01:43,920

missions become longer what will happen

49

00:01:48,530 --> 00:01:46,380

to the human body how will Vision Bones

50

00:01:51,289 --> 00:01:48,540

the brain and even Behavior be impacted

51
00:01:52,969 --> 00:01:51,299
an integrated protocol called Cipher is

52
00:01:54,830 --> 00:01:52,979
bringing together a huge number of

53
00:01:56,630 --> 00:01:54,840
disciplines and researchers to learn

54
00:01:58,789 --> 00:01:56,640
more together they'll pull information

55
00:02:00,289 --> 00:01:58,799
collected from astronauts aboard the

56
00:02:02,510 --> 00:02:00,299
International Space Station to unlock

57
00:02:05,630 --> 00:02:02,520
how humans can thrive on long duration

58
00:02:07,429 --> 00:02:05,640
missions to the Moon Mars and Beyond you

59
00:02:09,350 --> 00:02:07,439
can hear more about it from our experts

60
00:02:11,630 --> 00:02:09,360
on the latest episode of Houston we have

61
00:02:14,270 --> 00:02:11,640
a podcast you can find it on our website

62
00:02:16,070 --> 00:02:14,280
or wherever you download your podcasts

63
00:02:18,229 --> 00:02:16,080

and that's space to ground for now

64

00:02:19,790 --> 00:02:18,239

thanks so much for watching if you're in

65

00:02:21,949 --> 00:02:19,800

the United States we hope that you have

66

00:02:23,809 --> 00:02:21,959

a safe Memorial Day weekend we'll see

67

00:02:26,480 --> 00:02:23,819

you next week