



1
00:00:10,080 --> 00:00:19,750
congratulations

2
00:00:23,109 --> 00:00:21,910
i got another question from greg in

3
00:00:27,029 --> 00:00:23,119
houston

4
00:00:28,870 --> 00:00:27,039
another greg who's also from east

5
00:00:31,189 --> 00:00:28,880
he says i'm an avid scuba diver and

6
00:00:32,870 --> 00:00:31,199
instructor as a diver do you feel that

7
00:00:34,630 --> 00:00:32,880
your scuba training or experience has

8
00:00:37,270 --> 00:00:34,640
had a direct influence on your level of

9
00:00:39,670 --> 00:00:37,280
preparedness for space flight and have a

10
00:00:42,310 --> 00:00:39,680
safe journey well thanks a lot for the

11
00:00:44,470 --> 00:00:42,320
question and the good wishes

12
00:00:45,830 --> 00:00:44,480
absolutely completely

13
00:00:48,150 --> 00:00:45,840

um in

14

00:00:49,270 --> 00:00:48,160

really funny ways that i didn't expect

15

00:00:51,110 --> 00:00:49,280

um

16

00:00:53,590 --> 00:00:51,120

you know it's also the same thing for uh

17

00:00:55,270 --> 00:00:53,600

uh spacewalk training you know we do

18

00:00:58,869 --> 00:00:55,280

that training underwater

19

00:01:00,150 --> 00:00:58,879

uh you know in houston and um

20

00:01:02,069 --> 00:01:00,160

you know you

21

00:01:03,189 --> 00:01:02,079

there may be a tendency to try to kick

22

00:01:05,350 --> 00:01:03,199

you know when you're wearing a space

23

00:01:07,990 --> 00:01:05,360

food underwater um obviously it's not

24

00:01:09,429 --> 00:01:08,000

going to do any any good up here

25

00:01:11,910 --> 00:01:09,439

but it certainly

26
00:01:13,590 --> 00:01:11,920
has made a big difference in you know

27
00:01:14,710 --> 00:01:13,600
familiar familiarity with that

28
00:01:17,270 --> 00:01:14,720
environment

29
00:01:19,190 --> 00:01:17,280
for training but up here inside the

30
00:01:20,149 --> 00:01:19,200
space station i've really noticed it too

31
00:01:21,190 --> 00:01:20,159
um

32
00:01:23,350 --> 00:01:21,200
you know that

33
00:01:25,109 --> 00:01:23,360
the funny thing working in zero g it's

34
00:01:26,550 --> 00:01:25,119
really convenient you can do things you

35
00:01:28,149 --> 00:01:26,560
couldn't possibly do you can get in

36
00:01:30,469 --> 00:01:28,159
positions you couldn't possibly get in

37
00:01:31,830 --> 00:01:30,479
to do a task and when you start thinking

38
00:01:33,590 --> 00:01:31,840

in 3d

39

00:01:35,910 --> 00:01:33,600

you come up with you know better way to

40

00:01:37,910 --> 00:01:35,920

do something

41

00:01:40,550 --> 00:01:37,920

you know it's good if you can

42

00:01:42,950 --> 00:01:40,560

keep that in mind and allow yourself the

43

00:01:44,710 --> 00:01:42,960

you know the freedom to

44

00:01:46,870 --> 00:01:44,720

do something a different way because up

45

00:01:49,510 --> 00:01:46,880

here you have different options for

46

00:01:51,190 --> 00:01:49,520

doing the same task but in the same way

47

00:01:52,870 --> 00:01:51,200

scuba diving

48

00:01:55,429 --> 00:01:52,880

have you ever done under i'm sure you

49

00:01:58,230 --> 00:01:55,439

have any underwater photography

50

00:01:59,350 --> 00:01:58,240

um it's a similar kind of thing that you

51
00:02:00,149 --> 00:01:59,360
know

52
00:02:02,230 --> 00:02:00,159
let's say you're trying to take a

53
00:02:03,670 --> 00:02:02,240
picture of something underwater

54
00:02:05,670 --> 00:02:03,680
your face is in the camera you're

55
00:02:07,190 --> 00:02:05,680
holding things with your hands

56
00:02:09,270 --> 00:02:07,200
so you don't have your hands free all

57
00:02:11,190 --> 00:02:09,280
the time to grab onto things

58
00:02:12,869 --> 00:02:11,200
current is pushing you and you're trying

59
00:02:15,270 --> 00:02:12,879
to hold your body position hold the

60
00:02:17,510 --> 00:02:15,280
camera still take the picture and get

61
00:02:19,589 --> 00:02:17,520
the get it done before you know you turn

62
00:02:21,190 --> 00:02:19,599
too far the current pushes you too far

63
00:02:23,350 --> 00:02:21,200

you have to readjust everything it's

64

00:02:25,589 --> 00:02:23,360

very much like that up here in zero g

65

00:02:27,589 --> 00:02:25,599

you're trying to do something and

66

00:02:29,670 --> 00:02:27,599

you know you push on something that you

67

00:02:31,110 --> 00:02:29,680

get something done it moves your body a

68

00:02:33,030 --> 00:02:31,120

different way and you're trying to

69

00:02:34,710 --> 00:02:33,040

finish the job before you're completely

70

00:02:37,509 --> 00:02:34,720

upside down and backwards and you have

71

00:02:39,270 --> 00:02:37,519

to start all over again so um

72

00:02:40,869 --> 00:02:39,280

so actually like underwater photography

73

00:02:43,030 --> 00:02:40,879

you know for example is good good

74

00:02:44,790 --> 00:02:43,040

training for this um

75

00:02:47,910 --> 00:02:44,800

but it is really neat too also i think

76
00:02:50,229 --> 00:02:47,920
you know uh scuba diving you're used to

77
00:02:52,790 --> 00:02:50,239
different orientations and and feeling

78
00:02:54,390 --> 00:02:52,800
comfortable you know

79
00:02:55,350 --> 00:02:54,400
maneuvering in different orientations

80
00:02:57,110 --> 00:02:55,360
and

81
00:02:59,190 --> 00:02:57,120
so i kind of already felt comfortable

82
00:03:00,949 --> 00:02:59,200
with that you know

83
00:03:02,630 --> 00:03:00,959
floating around here although i think

84
00:03:05,430 --> 00:03:02,640
the adaptation up here happens really

85
00:03:08,949 --> 00:03:05,440
fast and uh and floating up here is