



1
00:00:06,230 --> 00:00:04,070
this is the second mission uh on nemo

2
00:00:07,510 --> 00:00:06,240
where we've looked at at uh visiting an

3
00:00:09,669 --> 00:00:07,520
asteroid

4
00:00:10,549 --> 00:00:09,679
if you go back to your experience on

5
00:00:13,509 --> 00:00:10,559
board

6
00:00:16,390 --> 00:00:13,519
shuttle and roaming around station

7
00:00:19,910 --> 00:00:16,400
um how do you find that life on aquarius

8
00:00:24,710 --> 00:00:22,470
oh it reminds me of

9
00:00:25,910 --> 00:00:24,720
both places that i have had a chance to

10
00:00:27,429 --> 00:00:25,920
be at

11
00:00:31,910 --> 00:00:27,439
of course

12
00:00:35,910 --> 00:00:33,750
is surely a sprint

13
00:00:38,069 --> 00:00:35,920

the moment you launch to the moment you

14

00:00:40,549 --> 00:00:38,079

land you are go go go

15

00:00:43,510 --> 00:00:40,559

and uh over these last few days we have

16

00:00:45,990 --> 00:00:43,520

the go go go from six o'clock in the

17

00:00:48,310 --> 00:00:46,000

morning till late at night

18

00:00:50,630 --> 00:00:48,320

but it's just such a pleasure to do all

19

00:00:51,670 --> 00:00:50,640

that work so that part compares with the

20

00:00:53,750 --> 00:00:51,680

shuttle

21

00:00:56,830 --> 00:00:53,760

but the inside of this habitat which is

22

00:00:59,430 --> 00:00:56,840

about the size of a school bus

23

00:01:00,709 --> 00:00:59,440

is on a small international space

24

00:01:02,790 --> 00:01:00,719

station

25

00:01:04,789 --> 00:01:02,800

and uh we

26
00:01:06,630 --> 00:01:04,799
at a week of training leading up to this

27
00:01:08,070 --> 00:01:06,640
we were taught about the redundant

28
00:01:10,149 --> 00:01:08,080
systems

29
00:01:13,030 --> 00:01:10,159
and uh just a couple nights ago we

30
00:01:14,550 --> 00:01:13,040
experienced those redundant systems when

31
00:01:16,630 --> 00:01:14,560
one of the

32
00:01:19,270 --> 00:01:16,640
ac power went down

33
00:01:20,710 --> 00:01:19,280
and folks came out and got the other ac

34
00:01:23,109 --> 00:01:20,720
power going

35
00:01:26,870 --> 00:01:23,119
and that was because we had a storm

36
00:01:28,550 --> 00:01:26,880
going on we have sea swell here and

37
00:01:30,550 --> 00:01:28,560
it reminded me a lot about a space

38
00:01:34,230 --> 00:01:30,560

station with all of our power

39

00:01:37,109 --> 00:01:34,240

redundancies our ways to provide oxygen

40

00:01:39,270 --> 00:01:37,119

to scrub the carbon dioxide

41

00:01:41,190 --> 00:01:39,280

so there's so many good comparisons

42

00:01:46,710 --> 00:01:41,200

between both

43

00:01:51,510 --> 00:01:49,350

based on what you imagined a mission to

44

00:01:53,990 --> 00:01:51,520

an asteroid would be like since we

45

00:01:56,149 --> 00:01:54,000

haven't done that yet do you see you see

46

00:01:57,910 --> 00:01:56,159

this training as realistic is it is it

47

00:02:01,030 --> 00:01:57,920

something that that you find beneficial

48

00:02:02,469 --> 00:02:01,040

and and uh add some realism to your

49

00:02:03,910 --> 00:02:02,479

your thoughts about what it will really

50

00:02:06,950 --> 00:02:03,920

be like when you get to go to an

51
00:02:12,229 --> 00:02:09,029
it's it's been an incredibly realistic

52
00:02:14,949 --> 00:02:12,239
mission yes absolutely um

53
00:02:17,510 --> 00:02:14,959
i was lucky enough to do a caves mission

54
00:02:19,190 --> 00:02:17,520
uh last september with a european space

55
00:02:21,270 --> 00:02:19,200
agency and that was uh what i thought at

56
00:02:22,470 --> 00:02:21,280
the time was a good analog for the space

57
00:02:25,430 --> 00:02:22,480
site but

58
00:02:27,589 --> 00:02:25,440
i don't think you can beat aquarius on

59
00:02:30,070 --> 00:02:27,599
what we've been doing down here as far

60
00:02:32,150 --> 00:02:30,080
as the space analog is concerned

61
00:02:34,390 --> 00:02:32,160
it's the next best thing to uh to

62
00:02:36,710 --> 00:02:34,400
actually going into space

63
00:02:39,030 --> 00:02:36,720

i would imagine being down here and

64

00:02:40,869 --> 00:02:39,040

isolated as a crew working together for

65

00:02:43,190 --> 00:02:40,879

a long period of time

66

00:02:44,869 --> 00:02:43,200

being able to do the neutral buoyancy

67

00:02:47,030 --> 00:02:44,879

tasks that we've done

68

00:02:49,350 --> 00:02:47,040

and also being involved with uh the

69

00:02:51,430 --> 00:02:49,360

submersibles and the ability to bring

70

00:02:53,350 --> 00:02:51,440

you know big pieces of machinery down

71

00:02:55,910 --> 00:02:53,360

here deep workers submersibles working

72

00:02:58,229 --> 00:02:55,920

with real rocks real sediments

73

00:03:01,910 --> 00:02:58,239

it's been a fantastic simulation

74

00:03:04,710 --> 00:03:01,920

scenario and a tremendous mission and uh

75

00:03:06,630 --> 00:03:04,720

i think i have gained a huge amount

76

00:03:08,390 --> 00:03:06,640

i've learned a lot about myself and i've

77

00:03:10,309 --> 00:03:08,400

learned a lot about my my crew mates

78

00:03:11,350 --> 00:03:10,319

we've had a great time got on really

79

00:03:12,869 --> 00:03:11,360

well

80

00:03:14,710 --> 00:03:12,879

and it's just been a tremendous

81

00:03:16,630 --> 00:03:14,720

experience all round one that i i will

82

00:03:18,790 --> 00:03:16,640

treasure and i will learn an awful lot

83

00:03:23,110 --> 00:03:18,800

from and hopefully take that forward

84

00:03:27,509 --> 00:03:25,509

today i understand is the 40th

85

00:03:30,070 --> 00:03:27,519

anniversary of title ix

86

00:03:33,750 --> 00:03:30,080

which uh was the act that actually made

87

00:03:35,670 --> 00:03:33,760

it possible for women to to uh more in

88

00:03:37,270 --> 00:03:35,680

energetically get into the fields of

89

00:03:39,110 --> 00:03:37,280

science and engineering by actually

90

00:03:40,630 --> 00:03:39,120

entering those fields of study in in

91

00:03:42,550 --> 00:03:40,640

colleges and universities most people

92

00:03:44,789 --> 00:03:42,560

think about it all the time with respect

93

00:03:47,430 --> 00:03:44,799

to athletics but it also opened new

94

00:03:49,509 --> 00:03:47,440

avenues for women you're an incredible

95

00:03:51,509 --> 00:03:49,519

role model for my three granddaughters

96

00:03:54,630 --> 00:03:51,519

and um hopefully they're gonna they're

97

00:03:55,589 --> 00:03:54,640

gonna watch this uh as we replay it and

98

00:03:57,270 --> 00:03:55,599

maybe

99

00:04:03,190 --> 00:03:57,280

one at least one of them will want to be

100

00:04:06,789 --> 00:04:04,470

well i

101

00:04:09,350 --> 00:04:06,799

i have to say that i am very glad that

102

00:04:10,789 --> 00:04:09,360

title ix came along

103

00:04:13,350 --> 00:04:10,799

and uh

104

00:04:16,390 --> 00:04:13,360

you know my mom was a mathematician

105

00:04:19,030 --> 00:04:16,400

and i grew up just knowing that

106

00:04:21,830 --> 00:04:19,040

because of her strengths that um

107

00:04:24,550 --> 00:04:21,840

i was interested in math and science and

108

00:04:26,830 --> 00:04:24,560

i know that she had had to face some

109

00:04:29,990 --> 00:04:26,840

struggles but

110

00:04:32,790 --> 00:04:30,000

thankfully in my generation i was able

111

00:04:35,030 --> 00:04:32,800

to study science and and never have to

112

00:04:37,990 --> 00:04:35,040

deal with those uh face the same

113

00:04:40,710 --> 00:04:38,000

struggles and i was able to be

114

00:04:42,629 --> 00:04:40,720

an athlete in college and run on both

115

00:04:44,550 --> 00:04:42,639

the cross country and track team and

116

00:04:47,590 --> 00:04:44,560

compete there

117

00:04:49,430 --> 00:04:47,600

and my daughter who is just now five and

118

00:04:51,189 --> 00:04:49,440

is probably also watching with your

119

00:04:53,110 --> 00:04:51,199

granddaughters

120

00:04:55,670 --> 00:04:53,120

believes that she can do whatever she

121

00:04:57,350 --> 00:04:55,680

wants and knows no boundaries and i am

122

00:04:59,189 --> 00:04:57,360

so proud of her

123

00:05:10,629 --> 00:04:59,199

and i'm so thankful for all that led

124

00:05:10,639 --> 00:05:29,909

yeah we're ready

125

00:05:33,670 --> 00:05:31,990

spread

126
00:05:43,350 --> 00:05:33,680
and

127
00:05:43,360 --> 00:06:00,950
so

128
00:06:04,950 --> 00:06:03,029
hey doc

129
00:06:07,029 --> 00:06:04,960
tell them that their power inflator

130
00:06:08,790 --> 00:06:07,039
might fall behind their left shoulder so

131
00:06:10,309 --> 00:06:08,800
they might have to reach up

132
00:06:11,350 --> 00:06:10,319
behind okay

133
00:06:27,909 --> 00:06:11,360
let them know

134
00:06:35,430 --> 00:06:31,270
okay you guys ready to get in the water

135
00:06:35,440 --> 00:06:46,950
you're

136
00:06:46,960 --> 00:06:50,790
three thousand you ready just put my cap

137
00:08:17,430 --> 00:06:52,590
pink three

138
00:09:02,550 --> 00:08:29,189

so

139

00:09:02,560 --> 00:09:10,630

that's a good idea

140

00:09:14,630 --> 00:09:12,710

i think it will work really yeah okay

141

00:09:17,110 --> 00:09:14,640

get your brp

142

00:09:19,030 --> 00:09:17,120

and put it on one of those little