



1
00:00:04,390 --> 00:00:01,589
today we have the opportunity to chat

2
00:00:06,550 --> 00:00:04,400
live with him nasa astronauts chell

3
00:00:07,990 --> 00:00:06,560
lemgren and scott kelly join us live

4
00:00:09,750 --> 00:00:08,000
from the international space station

5
00:00:11,270 --> 00:00:09,760
this morning good morning guys and just

6
00:00:12,709 --> 00:00:11,280
so all our viewers know they are in a

7
00:00:14,950 --> 00:00:12,719
little bit of a delay so there'll be a

8
00:00:16,390 --> 00:00:14,960
lag when asked questions and they answer

9
00:00:18,310 --> 00:00:16,400
uh so we have scott kelly who's the

10
00:00:20,710 --> 00:00:18,320
station commander and uh first of all

11
00:00:25,429 --> 00:00:20,720
the chell happy belated colorado day we

12
00:00:29,750 --> 00:00:27,750
yeah absolutely it was uh it was

13
00:00:33,030 --> 00:00:29,760

exciting to be up here and to be able to

14

00:00:34,709 --> 00:00:33,040

celebrate uh colorado's uh statehood day

15

00:00:36,389 --> 00:00:34,719

so i thought it would be fun to to take

16

00:00:38,310 --> 00:00:36,399

a picture and uh

17

00:00:41,350 --> 00:00:38,320

and celebrate with a little call shout

18

00:00:45,270 --> 00:00:43,510

oh that is absolutely awesome yeah we

19

00:00:46,790 --> 00:00:45,280

saw that picture tell us a little bit

20

00:00:53,910 --> 00:00:46,800

about the roles that both of you play in

21

00:00:56,470 --> 00:00:55,029

well i'm

22

00:00:58,470 --> 00:00:56,480

of course i just arrived a couple of

23

00:01:02,229 --> 00:00:58,480

weeks ago with my crew kimia yui and

24

00:01:04,789 --> 00:01:02,239

oleg kononenko and we joined scott and

25

00:01:05,670 --> 00:01:04,799

misha and gennady up here to make up the

26

00:01:08,710 --> 00:01:05,680

full

27

00:01:10,870 --> 00:01:08,720

six crew of expedition 44

28

00:01:12,950 --> 00:01:10,880

and right now i'm i'm still kind of

29

00:01:15,109 --> 00:01:12,960

learning the ropes scott

30

00:01:18,149 --> 00:01:15,119

has been mentoring kimmy and i while

31

00:01:19,990 --> 00:01:18,159

we've kind of gotten our

32

00:01:22,310 --> 00:01:20,000

feet wet or gotten our space legs and

33

00:01:25,030 --> 00:01:22,320

it's uh it's been great we serve

34

00:01:26,870 --> 00:01:25,040

as flight engineers we do maintenance

35

00:01:28,870 --> 00:01:26,880

preventive maintenance and of course the

36

00:01:30,950 --> 00:01:28,880

mission of the space space station is uh

37

00:01:34,870 --> 00:01:30,960

conducting science and research and uh

38

00:01:37,830 --> 00:01:36,390

all right so uh you've only been up

39

00:01:39,590 --> 00:01:37,840

there like you said for just a couple of

40

00:01:41,749 --> 00:01:39,600

weeks now and we know there's a learning

41

00:01:44,710 --> 00:01:41,759

process there have there been any kind

42

00:01:46,630 --> 00:01:44,720

of spaces hard moments you know normal

43

00:01:50,630 --> 00:01:46,640

tasks that just take a little bit more

44

00:01:53,270 --> 00:01:52,069

well let me just say one thing these

45

00:01:55,670 --> 00:01:53,280

guys look like

46

00:01:58,630 --> 00:01:55,680

like veterans they uh you know just

47

00:02:00,230 --> 00:01:58,640

really uh you know took off with uh you

48

00:02:02,550 --> 00:02:00,240

know look looking like they've been up

49

00:02:13,750 --> 00:02:02,560

here for a long time and uh great skills

50

00:02:17,910 --> 00:02:15,670

we sure appreciate scott really kind of

51
00:02:19,910 --> 00:02:17,920
showing us the ropes and uh getting us

52
00:02:22,390 --> 00:02:19,920
giving us a good head start you know

53
00:02:25,510 --> 00:02:22,400
there are a couple of things that

54
00:02:27,830 --> 00:02:25,520
that are more difficult up here for sure

55
00:02:29,510 --> 00:02:27,840
it's great to float around but the lack

56
00:02:31,030 --> 00:02:29,520
of gravity actually

57
00:02:32,390 --> 00:02:31,040
really makes it difficult to keep things

58
00:02:33,990 --> 00:02:32,400
organized and so

59
00:02:35,990 --> 00:02:34,000
i found that i've lost

60
00:02:36,949 --> 00:02:36,000
lost some things if you don't velcro it

61
00:02:38,869 --> 00:02:36,959
down

62
00:02:41,350 --> 00:02:38,879
things just kind of float away and then

63
00:02:42,630 --> 00:02:41,360

anytime you open a bag things just fly

64

00:02:45,589 --> 00:02:42,640

out so

65

00:02:46,790 --> 00:02:45,599

and that includes bags of food so i find

66

00:02:49,110 --> 00:02:46,800

that when

67

00:02:52,070 --> 00:02:49,120

i'm i'm you know open a bag of chicken

68

00:02:56,869 --> 00:02:52,080

to eat pieces are flying everywhere and

69

00:03:00,630 --> 00:02:58,229

well we hope you can keep that under

70

00:03:02,790 --> 00:03:00,640

control commander kelly we know this

71

00:03:04,869 --> 00:03:02,800

definitely is not your first rodeo in

72

00:03:06,710 --> 00:03:04,879

space you're spending a year up there

73

00:03:09,270 --> 00:03:06,720

and you've got a good chunk the better

74

00:03:11,190 --> 00:03:09,280

half of a year left now i've seen on

75

00:03:12,790 --> 00:03:11,200

social media you do a lot of blood draws

76
00:03:14,470 --> 00:03:12,800
and so does your brother down on earth

77
00:03:16,149 --> 00:03:14,480
can you talk about those blood draws and

78
00:03:20,309 --> 00:03:16,159
what you guys are trying to figure out

79
00:03:24,630 --> 00:03:21,830
well there's a lot of science that goes

80
00:03:26,550 --> 00:03:24,640
on uh up here and uh while i'm here

81
00:03:28,309 --> 00:03:26,560
during the course of the year almost uh

82
00:03:29,750 --> 00:03:28,319
400 different experiments and those are

83
00:03:32,070 --> 00:03:29,760
in all different kinds of category

84
00:03:34,470 --> 00:03:32,080
whether it's you know how to learn uh

85
00:03:36,789 --> 00:03:34,480
the things we need to to learn to go

86
00:03:38,309 --> 00:03:36,799
further beyond uh low earth orbit to

87
00:03:40,710 --> 00:03:38,319
mars someday

88
00:03:43,190 --> 00:03:40,720

um or how to improve life on earth and

89

00:03:44,949 --> 00:03:43,200

the the science that's involved with me

90

00:03:47,589 --> 00:03:44,959

being here for a year

91

00:03:49,990 --> 00:03:47,599

is uh is broken up into

92

00:03:51,750 --> 00:03:50,000

a few different categories but most of

93

00:03:53,990 --> 00:03:51,760

it is this one-year

94

00:03:56,470 --> 00:03:54,000

science that is a medical experiment on

95

00:03:58,470 --> 00:03:56,480

misha and i uh understanding the effects

96

00:04:01,030 --> 00:03:58,480

on our bone and muscles immune system

97

00:04:03,509 --> 00:04:01,040

the effects of radiation but also this

98

00:04:05,990 --> 00:04:03,519

comparative study with my brother uh

99

00:04:08,229 --> 00:04:06,000

which is kind of on a genetic uh

100

00:04:10,710 --> 00:04:08,239

level with the effects of

101
00:04:12,949 --> 00:04:10,720
of this environment on our dna and rna

102
00:04:14,710 --> 00:04:12,959
and proteins and it

103
00:04:15,750 --> 00:04:14,720
involves a lot of blood draws and a lot

104
00:04:18,710 --> 00:04:15,760
of other

105
00:04:21,670 --> 00:04:18,720
other types of imaging and research and

106
00:04:25,189 --> 00:04:23,590
all right guys we're getting close to

107
00:04:27,510 --> 00:04:25,199
the end of our window here two questions

108
00:04:30,150 --> 00:04:27,520
for you uh one kids are headed back to

109
00:04:31,909 --> 00:04:30,160
school soon and uh as we very well know

110
00:04:33,189 --> 00:04:31,919
the generations that'll take us to mars

111
00:04:34,950 --> 00:04:33,199
and beyond do you have any advice for

112
00:04:36,629 --> 00:04:34,960
them for the next school year uh and

113
00:04:38,950 --> 00:04:36,639

also it's it's almost two o'clock in the

114

00:04:40,310 --> 00:04:38,960

afternoon gmt time for you guys any

115

00:04:45,110 --> 00:04:40,320

dinner plans what's in the bag tonight

116

00:04:50,629 --> 00:04:48,710

well you know um i'll give the same

117

00:04:52,230 --> 00:04:50,639

advice that my parents gave me and that

118

00:04:54,629 --> 00:04:52,240

is for those kids that are going back to

119

00:04:56,070 --> 00:04:54,639

school you know what a great opportunity

120

00:04:58,469 --> 00:04:56,080

and it's one that we really take for

121

00:05:01,749 --> 00:04:58,479

granted sometimes that that education

122

00:05:03,189 --> 00:05:01,759

and uh to just really dig in and and

123

00:05:07,830 --> 00:05:03,199

study and read and learn about the

124

00:05:11,749 --> 00:05:10,310

and as far as the the dinner uh you you

125

00:05:13,350 --> 00:05:11,759

pose that question in a pretty

126
00:05:14,469 --> 00:05:13,360
interesting way because a lot of times i

127
00:05:16,070 --> 00:05:14,479
just say

128
00:05:20,390 --> 00:05:16,080
you know what i'm having for dinner is

129
00:05:25,029 --> 00:05:21,990
all right real quick before you go guys

130
00:05:31,110 --> 00:05:25,039
can you do a flip for us we want it we

131
00:05:35,189 --> 00:05:33,029
unreal

132
00:05:36,870 --> 00:05:35,199
i'd try one but things wouldn't go well

133
00:05:39,110 --> 00:05:36,880
thank you guys very much enjoy the rest

134
00:05:40,790 --> 00:05:39,120
of your time up in space there you go

135
00:05:43,110 --> 00:05:40,800
commander scott kelly on the space

136
00:05:45,029 --> 00:05:43,120
station live from space this morning

137
00:05:46,710 --> 00:05:45,039
with linger in colorado zone thank you

138
00:05:48,390 --> 00:05:46,720

guys very much let's go ahead right now

139

00:05:52,230 --> 00:05:48,400

and take a look at your forecast back

140

00:05:54,790 --> 00:05:52,240

here on earth and what a beautiful day