



1
00:00:06,950 --> 00:00:02,470
station this is houston are you ready

2
00:00:11,509 --> 00:00:09,110
i'm ready for the event

3
00:00:14,150 --> 00:00:11,519
european space agency this is mission

4
00:00:17,430 --> 00:00:14,160
control houston please call station for

5
00:00:19,990 --> 00:00:17,440
a voice check and satellite operations

6
00:00:23,830 --> 00:00:20,000
from the european space agency asa

7
00:00:25,670 --> 00:00:23,840
and of course at the end of this opening

8
00:00:28,390 --> 00:00:25,680
ceremony we have prepared a little

9
00:00:30,550 --> 00:00:28,400
surprise for you which is related to

10
00:00:32,310 --> 00:00:30,560
innovation and to one of the most

11
00:00:35,430 --> 00:00:32,320
important investments in the future

12
00:00:36,069 --> 00:00:35,440
which is of course our young people

13
00:00:37,670 --> 00:00:36,079

and

14

00:00:40,150 --> 00:00:37,680

actually google

15

00:00:41,910 --> 00:00:40,160

represented by eric schmidt together

16

00:00:45,190 --> 00:00:41,920

with other partners and the european

17

00:00:47,190 --> 00:00:45,200

space agency has prepared an exercise a

18

00:00:48,790 --> 00:00:47,200

competition which is called the youtube

19

00:00:51,990 --> 00:00:48,800

space lab

20

00:00:54,709 --> 00:00:52,000

and a lot of young people between 14 and

21

00:00:56,869 --> 00:00:54,719

18 years took part in it and actually we

22

00:00:59,270 --> 00:00:56,879

have two representatives

23

00:01:01,590 --> 00:00:59,280

with us tonight and please welcome the

24

00:01:12,630 --> 00:01:01,600

two which is saga and simon kopf so

25

00:01:17,109 --> 00:01:14,710

so as they have been preparing an

26

00:01:19,350 --> 00:01:17,119

experiment to be executed on board the

27

00:01:21,109 --> 00:01:19,360

international space station of course we

28

00:01:23,350 --> 00:01:21,119

are now in contact with the space

29

00:01:25,190 --> 00:01:23,360

station and i will just call them there

30

00:01:27,749 --> 00:01:25,200

is one of the european astronauts up

31

00:01:30,310 --> 00:01:27,759

there station this is

32

00:01:34,789 --> 00:01:30,320

the hanover congress center

33

00:01:40,950 --> 00:01:37,270

thank you very clear so much good to

34

00:01:44,710 --> 00:01:42,950

great ante can you please explain us

35

00:01:46,469 --> 00:01:44,720

where you are in the station and maybe

36

00:01:50,230 --> 00:01:46,479

over which region you are currently

37

00:01:55,030 --> 00:01:52,630

oh uh actually i'm here in columbus this

38

00:01:57,030 --> 00:01:55,040

is the european uh module the science

39

00:01:58,469 --> 00:01:57,040

module where we do a lot of interesting

40

00:02:01,510 --> 00:01:58,479

stuff and at the moment the space

41

00:02:02,469 --> 00:02:01,520

station is going uh pretty fast as you

42

00:02:04,709 --> 00:02:02,479

know

43

00:02:07,429 --> 00:02:04,719

probably from north america

44

00:02:09,190 --> 00:02:07,439

and then the atlantic ocean and uh by

45

00:02:14,150 --> 00:02:09,200

the time that we're speaking

46

00:02:19,190 --> 00:02:16,550

oh fantastic andre i'm sure you have

47

00:02:21,190 --> 00:02:19,200

heard about the youtube space lab

48

00:02:25,910 --> 00:02:21,200

exercise can you tell us a little bit

49

00:02:31,430 --> 00:02:28,309

i think i think it's a fantastic way

50

00:02:33,350 --> 00:02:31,440

that young people can propose

51
00:02:35,830 --> 00:02:33,360
their brand new ideas

52
00:02:36,869 --> 00:02:35,840
because young people out of the box they

53
00:02:39,350 --> 00:02:36,879
propose

54
00:02:41,670 --> 00:02:39,360
experiments for space flight and that's

55
00:02:44,070 --> 00:02:41,680
a fantastic way to uh to get new

56
00:02:46,150 --> 00:02:44,080
experimental ideas because young people

57
00:02:52,150 --> 00:02:46,160
have the future they come with the new

58
00:02:56,869 --> 00:02:54,550
yes indeed andre and now i have two

59
00:02:59,350 --> 00:02:56,879
young people who are eager to ask some

60
00:03:00,710 --> 00:02:59,360
questions and i guess some of our guests

61
00:03:02,149 --> 00:03:00,720
here as well

62
00:03:09,830 --> 00:03:02,159
so

63
00:03:14,229 --> 00:03:12,070

many people are very

64

00:03:17,270 --> 00:03:14,239

sick at the moment here in germany how

65

00:03:28,710 --> 00:03:20,070

diseases develop in space can you get a

66

00:03:31,910 --> 00:03:29,670

there are

67

00:03:39,270 --> 00:03:31,920

possibilities to get six we are more

68

00:03:43,589 --> 00:03:41,589

look at how our immune system is

69

00:03:47,030 --> 00:03:43,599

weakened in microgravity

70

00:03:48,789 --> 00:03:47,040

where viruses are much more aggressive

71

00:03:50,070 --> 00:03:48,799

because space is such an extreme

72

00:03:54,070 --> 00:03:50,080

environment

73

00:03:57,429 --> 00:03:54,080

it is good place to test new things

74

00:03:57,439 --> 00:04:04,149

simon do you have another question

75

00:04:10,149 --> 00:04:06,710

i just would like if we don't interrupt

76

00:04:15,190 --> 00:04:12,710

could you give us an example of

77

00:04:18,310 --> 00:04:15,200

what experiment you are doing

78

00:04:24,790 --> 00:04:18,320

right now or are you have sleeping time

79

00:04:29,270 --> 00:04:25,830

with

80

00:04:31,270 --> 00:04:29,280

your location so biologists cell

81

00:04:33,189 --> 00:04:31,280

we do at the moment experiments with

82

00:04:36,390 --> 00:04:33,199

biological

83

00:04:40,310 --> 00:04:37,990

in the physique

84

00:04:44,150 --> 00:04:40,320

we have fluid

85

00:04:44,160 --> 00:04:51,189

also in psychology on humans

86

00:04:51,199 --> 00:04:56,629

and a very interesting um

87

00:04:59,430 --> 00:04:58,230

which is very

88

00:05:01,830 --> 00:04:59,440

good to

89

00:05:05,270 --> 00:05:01,840

connect with the seabed

90

00:05:06,950 --> 00:05:05,280

we have very we have many european

91

00:05:13,350 --> 00:05:06,960

experiments

92

00:05:18,710 --> 00:05:15,749

well i'm convinced you have enough to do

93

00:05:18,720 --> 00:05:24,550

and i pass on the microphone

94

00:05:28,390 --> 00:05:26,230

you will be coming back a little bit

95

00:05:35,270 --> 00:05:28,400

later maybe you can tell us something

96

00:05:40,070 --> 00:05:37,749

the mission is six six weeks longer

97

00:05:42,870 --> 00:05:40,080

which is okay because i lost two weeks

98

00:05:45,430 --> 00:05:42,880

later so but uh yeah the extension is

99

00:05:47,990 --> 00:05:45,440

nice it's a very special place here uh

100

00:05:49,749 --> 00:05:48,000

very great uh research we can we do here

101
00:05:52,550 --> 00:05:49,759
and of course the the weightlessness is

102
00:05:54,870 --> 00:05:52,560
fantastic unfortunately when i come back

103
00:05:57,510 --> 00:05:54,880
uh later i come back uh sometimes the

104
00:05:59,830 --> 00:05:57,520
first of july and that means that i

105
00:06:02,309 --> 00:05:59,840
would miss a game that we both would

106
00:06:15,350 --> 00:06:02,319
like which is a football game between

107
00:06:19,749 --> 00:06:17,189
andre we would like to thank you very

108
00:06:21,749 --> 00:06:19,759
much for the time you have taken to talk

109
00:06:25,189 --> 00:06:21,759
to us from orbit

110
00:06:26,230 --> 00:06:25,199
cruising with 28 000 kilometers per hour

111
00:06:28,309 --> 00:06:26,240
and

112
00:06:29,590 --> 00:06:28,319
please give all our regards to your

113
00:06:31,430 --> 00:06:29,600

colleagues

114

00:06:34,150 --> 00:06:31,440

we are waiting for you to return

115

00:06:35,270 --> 00:06:34,160

beginning of july we will of course tape

116

00:06:43,270 --> 00:06:35,280

all the

117

00:06:49,670 --> 00:06:47,430

so much i think it's a very special

118

00:06:52,150 --> 00:06:49,680

event that you have there uh

119

00:06:54,950 --> 00:06:52,160

i think the telemetry and information

120

00:06:57,909 --> 00:06:54,960

information technology is very important

121

00:06:58,870 --> 00:06:57,919

we are very much related in spaceflight

122

00:07:28,629 --> 00:06:58,880

and

123

00:07:30,150 --> 00:07:28,639

we can take a few minutes for a photo of

124

00:08:13,589 --> 00:07:30,160

all of us with you in the background

125

00:08:13,599 --> 00:08:33,110

okay

126

00:08:38,829 --> 00:08:35,909

station this is houston acr thank you

127

00:08:45,110 --> 00:08:42,709

event thank you isa and sabit station we