



esa



1
00:00:09,080 --> 00:00:03,290
Andre this is Houston are you ready for

2
00:00:11,270 --> 00:00:09,090
the event 30 40 of it European Space

3
00:00:17,890 --> 00:00:11,280
Agency this is Mission Control Houston

4
00:00:23,179 --> 00:00:20,420
station this is google CEO from the

5
00:00:29,570 --> 00:00:23,189
european space agency at the artist

6
00:00:43,940 --> 00:00:29,580
asylum how do you read me Zhu Li chill

7
00:00:48,920 --> 00:00:43,950
out a clear already forgiven I hand you

8
00:00:52,340 --> 00:00:48,930
over now how about selling Andre on

9
00:00:53,660 --> 00:00:52,350
settings finding her crater that you

10
00:00:57,229 --> 00:00:53,670
want to be here with us we have

11
00:00:59,029 --> 00:00:57,239
impression that you're kind of aboard

12
00:01:01,459 --> 00:00:59,039
the planetarium here we can see you on

13
00:01:03,380 --> 00:01:01,469

screen you cannot see us the room is

14

00:01:05,630 --> 00:01:03,390

completely full but we would like to

15

00:01:07,820 --> 00:01:05,640

hear from you where exactly on board is

16

00:01:15,170 --> 00:01:07,830

that you are and what you can see around

17

00:01:16,820 --> 00:01:15,180

you don't fall over everything's very

18

00:01:19,640 --> 00:01:16,830

fine here's you guys seem to be having

19

00:01:21,700 --> 00:01:19,650

fine doing fine up there I'm glad to

20

00:01:25,249 --> 00:01:21,710

hear that there's such a big interest

21

00:01:29,980 --> 00:01:25,259

I'm on board the ISS we are now flying

22

00:01:35,090 --> 00:01:29,990

over the pacific ocean about overthrew

23

00:01:37,490 --> 00:01:35,100

yeah on board and on port here we're in

24

00:01:41,270 --> 00:01:37,500

the Columbus module that's one of the

25

00:01:43,550 --> 00:01:41,280

scientific labs and you can see all the

26

00:01:47,749 --> 00:01:43,560

equipment here we're doing a lot of

27

00:01:49,700 --> 00:01:47,759

research on all kind of fields and yeah

28

00:01:51,170 --> 00:01:49,710

they were to go on a favor have shown

29

00:01:53,929 --> 00:01:51,180

where the after at all and of course

30

00:01:55,850 --> 00:01:53,939

behind us is the rest of the ISS but

31

00:02:05,109 --> 00:01:55,860

this is where we are right now and it's

32

00:02:11,360 --> 00:02:08,809

we have a bday / but you can force

33

00:02:14,210 --> 00:02:11,370

tickling on but we understand that you

34

00:02:17,030 --> 00:02:14,220

have a stowaway on board a space

35

00:02:19,130 --> 00:02:17,040

passenger and it's very special one he's

36

00:02:20,990 --> 00:02:19,140

on a billboard here and answer them and

37

00:02:23,390 --> 00:02:21,000

everybody here are people in Amsterdam

38

00:02:26,809 --> 00:02:23,400

think that is been photoshop and I would

39

00:02:30,860 --> 00:02:26,819

like to ask you that artist Marcy's the

40

00:02:52,050 --> 00:02:30,870

mascot is really on board of the ISS yes

41

00:03:00,059 --> 00:02:56,430

brah awesome awesome to see awesome

42

00:03:02,190 --> 00:03:00,069

sight to see okay this afternoon we have

43

00:03:05,160 --> 00:03:02,200

five people who will be asking your

44

00:03:06,540 --> 00:03:05,170

question there's two children from

45

00:03:08,820 --> 00:03:06,550

elementary school and they want a

46

00:03:12,140 --> 00:03:08,830

competition and that's why there'll have

47

00:03:14,970 --> 00:03:12,150

been chosen to ask a question one girl

48

00:03:16,500 --> 00:03:14,980

is also from artists she also won a

49

00:03:19,199 --> 00:03:16,510

competition we also have a question from

50

00:03:21,900 --> 00:03:19,209

the mayor of Amsterdam and then from the

51
00:03:24,930 --> 00:03:21,910
artis zoo professor I would like to

52
00:03:26,750 --> 00:03:24,940
introduce him to you briefly and they

53
00:03:30,240 --> 00:03:26,760
will ask you a question and we are

54
00:03:33,120 --> 00:03:30,250
anxious to hear your brief concise

55
00:03:35,970 --> 00:03:33,130
answers first question from isla ripple

56
00:03:40,039 --> 00:03:35,980
she is a 6 she's looking beautiful

57
00:03:43,710 --> 00:03:40,049
because he's wearing a homemade

58
00:03:46,680 --> 00:03:43,720
astronaut outfit and she also does

59
00:03:53,880 --> 00:03:46,690
ballet and I'm come to actor to ask your

60
00:03:57,900 --> 00:03:53,890
question do you believe in aliens well

61
00:04:03,110 --> 00:03:57,910
here's the first one yeah so look

62
00:04:05,970 --> 00:04:03,120
personally I do believe there are aliens

63
00:04:10,650 --> 00:04:05,980

naughty Martha well we haven't seen them

64

00:04:12,300 --> 00:04:10,660

yet but I can imagine that I mean I do

65

00:04:17,310 --> 00:04:12,310

know that there's a lot of stars in

66

00:04:20,940 --> 00:04:17,320

space and around these stars there's a

67

00:04:24,930 --> 00:04:20,950

planets and so I do believe that there

68

00:04:27,120 --> 00:04:24,940

are a lot of planets with people or

69

00:04:36,719 --> 00:04:27,130

beings living on there and I hope we

70

00:04:38,900 --> 00:04:36,729

will find out soon no dump is all the

71

00:04:43,500 --> 00:04:38,910

health spa well that's a very exciting

72

00:04:45,540 --> 00:04:43,510

answer so aliens do might exist and we

73

00:04:48,629 --> 00:04:45,550

might see proof soon we'll just have to

74

00:04:51,540 --> 00:04:48,639

wait and see and Andre has one on board

75

00:04:53,760 --> 00:04:51,550

and it's a very special green space

76

00:04:58,320 --> 00:04:53,770

alien now there's a question from

77

00:05:00,719 --> 00:04:58,330

another student body and he's from the

78

00:05:03,120 --> 00:05:00,729

elementary school in newtown he's aged

79

00:05:04,700 --> 00:05:03,130

11 and has a very nice question for

80

00:05:07,130 --> 00:05:04,710

Andre

81

00:05:12,620 --> 00:05:07,140

like what is your favorite space on the

82

00:05:16,310 --> 00:05:12,630

ISS and why we are lyrics well my

83

00:05:19,910 --> 00:05:16,320

favorite spot on 40 Isis is the viewing

84

00:05:22,160 --> 00:05:19,920

area there's a copula and I surrounded

85

00:05:26,060 --> 00:05:22,170

by windows and also we'll both you and

86

00:05:28,580 --> 00:05:26,070

you can see everything around you you

87

00:05:31,670 --> 00:05:28,590

can turn around overall feed on the ad

88

00:05:35,210 --> 00:05:31,680

and you can see heard from all angles

89

00:05:38,150 --> 00:05:35,220

and it's a fantastic spot and every time

90

00:05:40,760 --> 00:05:38,160

I think wow this is so beautiful it's

91

00:05:43,490 --> 00:05:40,770

just awesome volleyball up during the

92

00:05:44,870 --> 00:05:43,500

day it's beautiful at night too you can

93

00:05:48,410 --> 00:05:44,880

see all the lights on earth and the

94

00:05:51,410 --> 00:05:48,420

stars so that's a very good spot I was

95

00:05:56,030 --> 00:05:51,420

it wasn't there when I was on my first

96

00:05:57,650 --> 00:05:56,040

flight so I'm very excited about this ok

97

00:06:01,100 --> 00:05:57,660

the have another photograph so now the

98

00:06:03,370 --> 00:06:01,110

next question and that comes from a very

99

00:06:06,320 --> 00:06:03,380

special guests here in the planetarium

100

00:06:09,440 --> 00:06:06,330

to know mayor of Amsterdam Aberhart

101
00:06:12,830 --> 00:06:09,450
pendulum who would also like to talk to

102
00:06:16,760 --> 00:06:12,840
Android corazon board ISS and here's his

103
00:06:18,830 --> 00:06:16,770
question good morning mr. Gao versa I

104
00:06:20,630 --> 00:06:18,840
was wondering when you return to Earth

105
00:06:26,930 --> 00:06:20,640
what will you be missing most from this

106
00:06:35,680 --> 00:06:26,940
trip well oh dear well it's a big honor

107
00:06:41,750 --> 00:06:35,690
to hear question from you this yeah well

108
00:06:43,160 --> 00:06:41,760
I I've been sleeping great here so but

109
00:06:46,780 --> 00:06:43,170
that might be something that I might

110
00:06:51,200 --> 00:06:46,790
like more it's a very pleasant feeling

111
00:06:56,180 --> 00:06:51,210
so Ravi rare I'm sorry but there's very

112
00:06:58,340 --> 00:06:56,190
bad audio right now floating is very

113
00:07:27,730 --> 00:06:58,350

pleasant and I can recommend it to

114

00:07:41,550 --> 00:07:31,809

oh you know over your online are you

115

00:07:45,189 --> 00:07:41,560

still online it's you the frak yourself

116

00:07:49,240 --> 00:07:45,199

here's a question so we just ask

117

00:07:54,570 --> 00:07:49,250

question okay question is if the sense

118

00:08:02,050 --> 00:07:54,580

of smell is different in micro faculty /

119

00:08:03,820 --> 00:08:02,060

could you please repeat the question was

120

00:08:06,010 --> 00:08:03,830

on board from apprentice that you'll

121

00:08:08,469 --> 00:08:06,020

know itself it can you tell me if sense

122

00:08:14,320 --> 00:08:08,479

of smell is different in microgravity or

123

00:08:17,499 --> 00:08:14,330

is it the same as on earth here well I

124

00:08:20,249 --> 00:08:17,509

can only here here here on earth so I

125

00:08:28,920 --> 00:08:20,259

don't quite understand the question

126

00:08:35,469 --> 00:08:32,050

rocked Alice on board for a Grampus

127

00:08:38,560 --> 00:08:35,479

because everything on board ISS smell

128

00:08:41,230 --> 00:08:38,570

the same as here on earth okay now I

129

00:08:44,199 --> 00:08:41,240

understand well there's a very

130

00:08:47,880 --> 00:08:44,209

interesting question a space or

131

00:08:50,940 --> 00:08:47,890

microgravity is very interesting thing

132

00:08:53,440 --> 00:08:50,950

when you get on board of the ISS

133

00:08:56,680 --> 00:08:53,450

everything smells new actually just like

134

00:08:59,079 --> 00:08:56,690

you get into a new car some things

135

00:09:03,190 --> 00:08:59,089

sometimes it smells a little oily here

136

00:09:05,579 --> 00:09:03,200

of course we cannot open any windows so

137

00:09:08,710 --> 00:09:05,589

but you get used to that quite quickly

138

00:09:13,030 --> 00:09:08,720

food on board it's about the same as on

139

00:09:18,639 --> 00:09:13,040

earth taste you need a little more spicy

140

00:09:21,030 --> 00:09:18,649

food or taste your food at first your

141

00:09:24,880 --> 00:09:21,040

nose is a little swollen on the inside

142

00:09:29,500 --> 00:09:24,890

and by our first route but of course

143

00:09:33,819 --> 00:09:29,510

when we can delivery of fresh fruit that

144

00:09:37,329 --> 00:09:33,829

is a really a pleasure to eat so sense

145

00:09:40,900 --> 00:09:37,339

of smell does not really change on board

146

00:09:47,080 --> 00:09:44,250

and great rockville in the last question

147

00:09:50,470 --> 00:09:47,090

artists professor comes from artists ooh

148

00:09:52,240 --> 00:09:50,480

professor Eric Young who will as the

149

00:09:56,350 --> 00:09:52,250

last question for this afternoon mr.

150

00:09:59,380 --> 00:09:56,360

Cooper's what can or how can space

151
00:10:02,410 --> 00:09:59,390
research contribute to big issues here

152
00:10:05,950 --> 00:10:02,420
on earth such as biodiversity climate

153
00:10:11,890 --> 00:10:05,960
change and sustainability well I think

154
00:10:17,830 --> 00:10:11,900
in the first place realization that

155
00:10:22,890 --> 00:10:17,840
nothing is a sacred excuse me but I can

156
00:10:25,480 --> 00:10:22,900
hear double sound double audio

157
00:10:28,360 --> 00:10:25,490
especially at night you can see an awful

158
00:10:31,420 --> 00:10:28,370
lot of lights on earth and you can see

159
00:10:33,990 --> 00:10:31,430
that Earth is very heavily populated on

160
00:10:38,370 --> 00:10:34,000
the other side you also have the deserts

161
00:10:41,500 --> 00:10:38,380
we have to realize that Earth is limited

162
00:10:43,630 --> 00:10:41,510
so are you from here in space you

163
00:10:47,020 --> 00:10:43,640

realized very well how limited to how

164

00:10:51,460 --> 00:10:47,030

restricted artists and how careful we

165

00:10:54,310 --> 00:10:51,470

have to be with our resources you can

166

00:10:57,700 --> 00:10:54,320

also see that from satellite images that

167

00:11:01,990 --> 00:10:57,710

they really make you realize that those

168

00:11:05,200 --> 00:11:02,000

satellite images document the changes

169

00:11:09,520 --> 00:11:05,210

like you feel the vehicle seat and show

170

00:11:13,660 --> 00:11:09,530

you different things recently we open

171

00:11:16,960 --> 00:11:13,670

the satellite portal which allows us to

172

00:11:22,630 --> 00:11:16,970

use the data coming from space I believe

173

00:11:24,880 --> 00:11:22,640

that's a very important development and

174

00:11:28,720 --> 00:11:24,890

so that way we can determine where there

175

00:11:30,880 --> 00:11:28,730

are the dangers so but the main thing is

176

00:11:36,160 --> 00:11:30,890

that Earth is beautiful but very

177

00:11:38,680 --> 00:11:36,170

vulnerable scribbled on four straight

178

00:11:40,330 --> 00:11:38,690

answer we are very happy with your

179

00:11:43,060 --> 00:11:40,340

answers to your questions here in the

180

00:11:45,580 --> 00:11:43,070

other room and then I'm closing of this

181

00:11:48,760 --> 00:11:45,590

a fantastic session there's a contact

182

00:11:51,160 --> 00:11:48,770

with space Andre would like to ask you

183

00:11:54,430 --> 00:11:51,170

if it's true that you will come by the

184

00:11:58,210 --> 00:11:54,440

artist planetarium one more time

185

00:12:01,180 --> 00:11:58,220

also if for us you would happen to have

186

00:12:03,670 --> 00:12:01,190

your own message to convey to us get

187

00:12:09,010 --> 00:12:03,680

down here well I will definitely come to

188

00:12:11,530 --> 00:12:09,020

the planetarium for a visit and if maybe

189

00:12:14,050 --> 00:12:11,540

several times if there's enough interest

190

00:12:17,590 --> 00:12:14,060

i will do several presentations it's a

191

00:12:20,800 --> 00:12:17,600

great location and to me it's really

192

00:12:23,710 --> 00:12:20,810

fantastic to be kind of in my own City

193

00:12:25,690 --> 00:12:23,720

and talk with my own city and that's one

194

00:12:27,970 --> 00:12:25,700

of the things that I really was looking

195

00:12:31,630 --> 00:12:27,980

forward to message I would like to

196

00:12:36,520 --> 00:12:31,640

convey is that well that I would like to

197

00:12:39,580 --> 00:12:36,530

come by and congratulate everybody who's

198

00:12:42,490 --> 00:12:39,590

present in the room right before I

199

00:12:45,070 --> 00:12:42,500

really hope that you will follow keep on

200

00:12:49,210 --> 00:12:45,080

following this mission and everything

201
00:12:53,650 --> 00:12:49,220
that's been going on I've been a regular

202
00:12:58,810 --> 00:12:53,660
at the planetarium 07 foyer and it's all

203
00:13:03,100 --> 00:12:58,820
very interesting and encouraging there

204
00:13:06,550 --> 00:13:03,110
so to me planetarium is one of the most

205
00:13:10,630 --> 00:13:06,560
interesting fields so for affordable and

206
00:13:15,250 --> 00:13:10,640
before we are get off here will give you

207
00:13:18,130 --> 00:13:15,260
show you some more weightlessness I wish

208
00:13:40,689 --> 00:13:18,140
you the very best what about here this

209
00:13:49,340 --> 00:13:43,910
station this is Houston ACR thank you

210
00:13:52,429 --> 00:13:49,350
that concludes our event Thank You

211
00:13:54,590 --> 00:13:52,439
European Space Agency Andre please stand