
EXIT

1
00:00:06,340 --> 00:00:03,020
station this is Houston are you ready

2
00:00:12,100 --> 00:00:08,299
Houston this is station we're ready for

3
00:00:14,120 --> 00:00:12,110
the event try district curriculum

4
00:00:17,210 --> 00:00:14,130
consortium this is Mission Control

5
00:00:23,750 --> 00:00:17,220
Houston please call station for a voice

6
00:00:23,760 --> 00:00:30,029
you

7
00:00:35,620 --> 00:00:32,220
station this is Houston ACR we are

8
00:00:42,780 --> 00:00:35,630
reestablishing our connection

9
00:00:42,790 --> 00:01:54,290
you

10
00:02:00,590 --> 00:01:56,400
station this is a try district

11
00:02:12,860 --> 00:02:02,700
we've got you loud and clear welcome

12
00:02:16,850 --> 00:02:14,990
I'm hoping you heard those applause my

13
00:02:19,039 --> 00:02:16,860

name is Seth Cohen I'm the chairman of

14
00:02:21,699 --> 00:02:19,049
the NASA downlink Committee on behalf of

15
00:02:24,380 --> 00:02:21,709
Newton and over in greenhills welcome

16
00:02:25,670 --> 00:02:24,390
the excitement here is palpable so

17
00:02:34,970 --> 00:02:25,680
without further ado we're going to turn

18
00:02:36,680 --> 00:02:34,980
it right over to my students hi my name

19
00:02:38,210 --> 00:02:36,690
is emily weiss from green hills school

20
00:02:41,030 --> 00:02:38,220
and I have a question for a commander

21
00:02:46,340 --> 00:02:41,040
Burbank it's in space is time read the

22
00:02:52,140 --> 00:02:48,720
hi Emily it's good to talk with you I'm

23
00:02:53,490 --> 00:02:52,150
in space we basically have a choice we

24
00:02:55,110 --> 00:02:53,500
could pick any time zone we want all

25
00:03:00,460 --> 00:02:55,120
around the the world and we've actually

26
00:03:00,470 --> 00:03:07,870
you

27
00:03:13,450 --> 00:03:11,620
patient is operated based on and we've

28
00:03:15,880 --> 00:03:13,460
got Munich one of the control centers

29
00:03:17,880 --> 00:03:15,890
that's one hour from that we've got

30
00:03:22,360 --> 00:03:17,890
Moscow which is four hours ahead of that

31
00:03:24,640 --> 00:03:22,370
we've got scuba in Japan their control

32
00:03:26,650 --> 00:03:24,650
center that I think is like nine hours

33
00:03:30,250 --> 00:03:26,660
ahead of greenwich mean time Houston

34
00:03:33,100 --> 00:03:30,260
which is NASA's control center i think

35
00:03:35,370 --> 00:03:33,110
is six hours behind but by convention we

36
00:03:38,380 --> 00:03:35,380
use greenwich mean time we basically

37
00:03:41,290 --> 00:03:38,390
have the computers and equipment synced

38
00:03:45,610 --> 00:03:41,300

based on the the satellite navigation

39
00:03:57,220 --> 00:03:45,620
system gps and it works it works just

40
00:03:59,530 --> 00:03:57,230
fine for us thank you either mom my name

41
00:04:01,780 --> 00:03:59,540
is crisp its own i'm from endover

42
00:04:04,510 --> 00:04:01,790
Regional School District Long Pond

43
00:04:07,960 --> 00:04:04,520
school and I have a question for flight

44
00:04:10,240 --> 00:04:07,970
engineer Kuiper's you have a safe room

45
00:04:14,990 --> 00:04:10,250
in case you encounter debris or space

46
00:04:20,790 --> 00:04:17,460
well Chris actually we have an escort

47
00:04:24,450 --> 00:04:20,800
our Soyuz so if something comes very

48
00:04:27,660 --> 00:04:24,460
close which is extremely rare then we

49
00:04:29,700 --> 00:04:27,670
might be asked to go to our Soyuz our

50
00:04:32,190 --> 00:04:29,710
spacecraft we have to we're six screws

51
00:04:35,610 --> 00:04:32,200
out 33 crew members per cell use and

52
00:04:40,750 --> 00:04:35,620
that can be considered as our safe haven

53
00:04:40,760 --> 00:04:48,519
you

54
00:04:52,959 --> 00:04:50,619
station this is Houston ACR we're

55
00:04:55,430 --> 00:04:52,969
reestablishing our client please stand

56
00:04:55,440 --> 00:05:02,430
station copies think

57
00:05:02,440 --> 00:05:35,129
you

58
00:05:39,219 --> 00:05:37,869
good morning my name is Francis

59
00:05:47,309 --> 00:05:39,229
International Space Station I think

60
00:05:52,089 --> 00:05:50,199
good morning my name is brianna marie

61
00:05:54,489 --> 00:05:52,099
and i'm from halsted middle school in

62
00:05:56,739 --> 00:05:54,499
newton my question is for commander

63
00:06:03,350 --> 00:05:56,749

Burbank what was your most and least

64
00:06:07,770 --> 00:06:06,390
braniff I had to pick a moment that was

65
00:06:09,750 --> 00:06:07,780
my most favorite it would probably be

66
00:06:11,790 --> 00:06:09,760
launched and whether was launching on a

67
00:06:14,190 --> 00:06:11,800
space shuttle my previous two missions

68
00:06:15,990 --> 00:06:14,200
are launching on the Soyuz it was it was

69
00:06:19,560 --> 00:06:16,000
a great ride all the way uphill and

70
00:06:20,910 --> 00:06:19,570
probably my least favorite moment if I

71
00:06:23,280 --> 00:06:20,920
had to pick a moment again would be

72
00:06:25,530 --> 00:06:23,290
returning to Earth after the missions

73
00:06:27,960 --> 00:06:25,540
it's great being up here the least

74
00:06:31,260 --> 00:06:27,970
favorite aspect in general is the time

75
00:06:31,270 --> 00:06:36,890
thank you

76
00:06:40,909 --> 00:06:39,170
hi I'm Jordan bad the ass from Green

77
00:06:44,330 --> 00:06:40,919
Hills School and my question is for

78
00:06:45,800 --> 00:06:44,340
flight engineer Andre Kuiper's what

79
00:06:48,170 --> 00:06:45,810
happens if you are up there and someone

80
00:06:50,450 --> 00:06:48,180
somehow gets extremely sick is there a

81
00:06:51,950 --> 00:06:50,460
doctor on board I understand that you

82
00:06:53,510 --> 00:06:51,960
have to be very healthy to go up into

83
00:06:56,510 --> 00:06:53,520
space but there is also the possibility

84
00:06:58,189 --> 00:06:56,520
of getting sick as well if you get sick

85
00:07:02,620 --> 00:06:58,199
can you get treated and are there

86
00:07:08,810 --> 00:07:06,350
well that's a good question by accident

87
00:07:11,570 --> 00:07:08,820
more or less I'm a doctor airboard but

88
00:07:14,330 --> 00:07:11,580

of course I can get sick as well so

89
00:07:17,210 --> 00:07:14,340
therefore an every crew there are at

90
00:07:19,159 --> 00:07:17,220
least two people trained to be crew

91
00:07:22,939 --> 00:07:19,169
medical officers so that means that they

92
00:07:26,000 --> 00:07:22,949
know where all the equipment is too for

93
00:07:28,820 --> 00:07:26,010
example for example research it eight in

94
00:07:31,790 --> 00:07:28,830
an extreme case where all the medication

95
00:07:34,520 --> 00:07:31,800
is they know how everything works so in

96
00:07:37,219 --> 00:07:34,530
the that sense we always have to say

97
00:07:49,350 --> 00:07:37,229
doctors on board bit weird real medical

98
00:07:55,200 --> 00:07:51,869
hi my name is Alexandra van der maus I'm

99
00:07:58,140 --> 00:07:55,210
from Andover and this question is for

100
00:08:01,140 --> 00:07:58,150
commander Burbank have you or will you

101
00:08:07,920 --> 00:08:01,150
ever participate in an EV a walk if so

102
00:08:10,740 --> 00:08:07,930
what was or is your task I'm not I did

103
00:08:12,899 --> 00:08:10,750
one spacewalk on shuttle mission sts-114

104
00:08:15,990 --> 00:08:12,909
and our job during that mission in

105
00:08:17,730 --> 00:08:16,000
general was to install an outfit one of

106
00:08:19,830 --> 00:08:17,740
the large truss element sets out on the

107
00:08:22,350 --> 00:08:19,840
port or left-hand side of the the space

108
00:08:25,080 --> 00:08:22,360
station and it includes one set of two

109
00:08:34,360 --> 00:08:25,090
hundred forty foot long tip to tip solar

110
00:08:39,230 --> 00:08:36,769
good morning this is anthony Donatelli

111
00:08:42,709 --> 00:08:39,240
from news my question is for flight

112
00:08:47,560 --> 00:08:42,719
engineer pipers what was the moment when

113
00:08:53,870 --> 00:08:50,900

well the ball would was pretty accepted

114
00:08:57,199 --> 00:08:53,880
was when my grandmother gave me three

115
00:09:01,190 --> 00:08:57,209
science fiction booklets of a series and

116
00:09:03,199 --> 00:09:01,200
after that well I was I was only

117
00:09:06,590 --> 00:09:03,209
thinking of becoming an astronaut

118
00:09:10,100 --> 00:09:06,600
Everest dreaming of space suits rockets

119
00:09:13,610 --> 00:09:10,110
and other worlds and that's what sparked

120
00:09:15,860 --> 00:09:13,620
it and later on I saw the the big imax

121
00:09:17,720 --> 00:09:15,870
movies and the beautiful pictures taken

122
00:09:19,550 --> 00:09:17,730
from the shuttle and then i thought it's

123
00:09:21,860 --> 00:09:19,560
not only adventures also beautiful and

124
00:09:24,410 --> 00:09:21,870
the third thing was that i saw that it

125
00:09:31,230 --> 00:09:24,420
was very useful for everybody so it was

126
00:09:36,060 --> 00:09:33,750
good morning my name is Andrew Kosovo

127
00:09:37,740 --> 00:09:36,070
I'm from Green Township commander

128
00:09:39,870 --> 00:09:37,750
Burbank how does the Sun radiation

129
00:09:43,139 --> 00:09:39,880
effect you without the ozone layer above

130
00:09:45,660 --> 00:09:43,149
you have you ever had difficulties with

131
00:09:52,470 --> 00:09:45,670
solar flares in Space Station how do

132
00:09:54,269 --> 00:09:52,480
they affect you well the sun's radiation

133
00:09:55,949 --> 00:09:54,279
is kind of a mixed bag in general it's

134
00:09:58,620 --> 00:09:55,959
it's a very positive and helpful thing

135
00:10:00,690 --> 00:09:58,630
for us so it gives us light the entire

136
00:10:02,820 --> 00:10:00,700
electromagnetic spectrum for example if

137
00:10:04,380 --> 00:10:02,830
you look at it in the visible it gives

138
00:10:05,970 --> 00:10:04,390

us light and it's also light at the

139
00:10:07,889 --> 00:10:05,980
right frequencies that we can with our

140
00:10:09,720 --> 00:10:07,899
solar rays and the electrical equipment

141
00:10:12,000 --> 00:10:09,730
we have here convert it to electricity

142
00:10:14,730 --> 00:10:12,010
to power all the experiments on station

143
00:10:17,760 --> 00:10:14,740
it gives us heat and for this to keep

144
00:10:21,389 --> 00:10:17,770
the systems warm on the radiation side

145
00:10:23,070 --> 00:10:21,399
of it in the sense of atomic nuclei for

146
00:10:25,769 --> 00:10:23,080
example if you have if the Sun is very

147
00:10:27,570 --> 00:10:25,779
energetic and it does what what we call

148
00:10:29,519 --> 00:10:27,580
the coronal mass ejection or a solar

149
00:10:31,650 --> 00:10:29,529
storm these flares and things like that

150
00:10:34,410 --> 00:10:31,660
you'll have a wave of charged particles

151
00:10:37,590 --> 00:10:34,420
that that will that will strike the

152
00:10:39,150 --> 00:10:37,600
Earth's magnetosphere and people on

153
00:10:40,500 --> 00:10:39,160
planet Earth when we're down there are

154
00:10:42,389 --> 00:10:40,510
protected largely by the Earth's

155
00:10:46,560 --> 00:10:42,399
magnetosphere but also by the Earth's

156
00:10:48,000 --> 00:10:46,570
atmosphere including including the upper

157
00:10:50,010 --> 00:10:48,010
regions of the atmosphere which protect

158
00:10:52,670 --> 00:10:50,020
us from ultraviolet radiation here on

159
00:10:54,810 --> 00:10:52,680
station for example we get most of the

160
00:10:56,490 --> 00:10:54,820
protection from radiation by the

161
00:10:58,199 --> 00:10:56,500
magnetosphere so in general it's not a

162
00:11:00,180 --> 00:10:58,209
problem if it's a really big storm and

163
00:11:02,130 --> 00:11:00,190

the charged particles are directed right

164
00:11:03,750 --> 00:11:02,140
at station there are things we can do

165
00:11:05,310 --> 00:11:03,760
there's places on the station that a

166
00:11:07,350 --> 00:11:05,320
little bit safer and better shielded

167
00:11:09,030 --> 00:11:07,360
than others in general we're going to do

168
00:11:12,750 --> 00:11:09,040
a spacewalk we plan it so that we

169
00:11:15,120 --> 00:11:12,760
minimize the risk for radiation for just

170
00:11:16,500 --> 00:11:15,130
the ultraviolet radiation for example

171
00:11:19,199 --> 00:11:16,510
we've got some windows most of the

172
00:11:20,730 --> 00:11:19,209
windows on station protect us from the

173
00:11:22,800 --> 00:11:20,740
adverse effects of ultraviolet radiation

174
00:11:24,540 --> 00:11:22,810
but we do have a couple that are science

175
00:11:26,250 --> 00:11:24,550
grade windows that if the Sun were to

176
00:11:29,110 --> 00:11:26,260
shine directly through those on to us

177
00:11:39,900 --> 00:11:29,120
the ultraviolet exposure

178
00:11:39,910 --> 00:11:55,179
you

179
00:12:00,240 --> 00:11:57,900
okay text message

180
00:12:02,550 --> 00:12:00,250
good morning my name is Brian dollar

181
00:12:04,770 --> 00:12:02,560
from Long Pond cool and and over it this

182
00:12:07,290 --> 00:12:04,780
question is for flight engineer Kuiper's

183
00:12:09,900 --> 00:12:07,300
what means the communication do you use

184
00:12:12,990 --> 00:12:09,910
most often to communicate with your

185
00:12:21,270 --> 00:12:13,000
families email radio or a downlink like

186
00:12:24,660 --> 00:12:21,280
this most often I just call them we have

187
00:12:26,520 --> 00:12:24,670
this this internet telephone system and

188
00:12:29,250 --> 00:12:26,530

that's very useful it's like calling

189
00:12:32,400 --> 00:12:29,260
from from from the telephone network

190
00:12:34,830 --> 00:12:32,410
from Houston in this case to to the

191
00:12:37,710 --> 00:12:34,840
Netherlands in Europe so that I can do

192
00:12:39,210 --> 00:12:37,720
any moment that we have contact with the

193
00:12:42,830 --> 00:12:39,220
satellites which is not all the time but

194
00:12:47,100 --> 00:12:42,840
for a big part of the day I could call

195
00:12:49,890 --> 00:12:47,110
anybody I I want and I don't additional

196
00:12:51,810 --> 00:12:49,900
to get once a week we have a video

197
00:12:56,970 --> 00:12:51,820
connection which is very nice to see

198
00:12:59,640 --> 00:12:56,980
them as well and yeah that that covers

199
00:13:03,830 --> 00:12:59,650
all the contacts with family of course

200
00:13:10,610 --> 00:13:03,840
an email yeah I can do that as well

201
00:13:12,050 --> 00:13:10,620
thank you good morning my name is ty

202
00:13:14,560 --> 00:13:12,060
lady hope from halsted middle school

203
00:13:16,880 --> 00:13:14,570
this is a question for commander Burbank

204
00:13:22,180 --> 00:13:16,890
what is the most remarkable thing or

205
00:13:26,440 --> 00:13:24,850
I think in general if I could answer

206
00:13:29,080 --> 00:13:26,450
this way the most remarkable place I've

207
00:13:31,390 --> 00:13:29,090
seen from space is planet Earth and it

208
00:13:34,210 --> 00:13:31,400
is indescribably beautiful and it's

209
00:13:35,650 --> 00:13:34,220
always changing and you'd never get

210
00:13:37,780 --> 00:13:35,660
tired of it you could be up here for

211
00:13:39,040 --> 00:13:37,790
half a year and anytime you have a

212
00:13:41,260 --> 00:13:39,050
little bit of spare time you want to go

213
00:13:43,630 --> 00:13:41,270

to the cupola where we've got 360 degree

214
00:13:45,850 --> 00:13:43,640
windows to see the earth below you you

215
00:13:47,980 --> 00:13:45,860
know Horizon to Horizon for thousands of

216
00:13:49,990 --> 00:13:47,990
miles probably the most remarkable thing

217
00:13:52,450 --> 00:13:50,000
I've seen from space was on December

218
00:13:54,430 --> 00:13:52,460
twentieth and that was Comet Lovejoy it

219
00:13:56,140 --> 00:13:54,440
was a sungrazer comets that came very

220
00:13:58,420 --> 00:13:56,150
very close to the Sun it survived that

221
00:14:01,090 --> 00:13:58,430
that close encounter and it was a

222
00:14:08,460 --> 00:14:01,100
spectacular show when you saw it from

223
00:14:13,410 --> 00:14:11,100
hello my name is Carly leskin from Green

224
00:14:15,750 --> 00:14:13,420
Hill School I have a question for flight

225
00:14:17,190 --> 00:14:15,760
engineer Kuiper's do you think that the

226
00:14:19,110 --> 00:14:17,200
space training that you have received on

227
00:14:21,420 --> 00:14:19,120
earth was an adequate preparation for

228
00:14:23,580 --> 00:14:21,430
what it is truly like on the ISS and if

229
00:14:25,440 --> 00:14:23,590
so what type of training that you

230
00:14:27,930 --> 00:14:25,450
completed on earth has best prepared you

231
00:14:29,400 --> 00:14:27,940
for the actual experience if not what

232
00:14:34,240 --> 00:14:29,410
would you suggest to be included in the

233
00:14:39,769 --> 00:14:36,710
yeah i think the training was was

234
00:14:42,230 --> 00:14:39,779
excellent one thing is that you train a

235
00:14:44,720 --> 00:14:42,240
lot on things that most likely are not

236
00:14:46,370 --> 00:14:44,730
going to happen like emergencies and

237
00:14:49,040 --> 00:14:46,380
things breaking down which is a good

238
00:14:52,490 --> 00:14:49,050

thing because everything works most of

239
00:14:54,440 --> 00:14:52,500
the time as planned and you do also

240
00:14:57,410 --> 00:14:54,450
think that you didn't really train for

241
00:15:00,440 --> 00:14:57,420
and that means that you need to know how

242
00:15:03,050 --> 00:15:00,450
to read procedures and where to find the

243
00:15:05,150 --> 00:15:03,060
equipment you need so in that sense I

244
00:15:07,340 --> 00:15:05,160
think most training actually I don't

245
00:15:10,720 --> 00:15:07,350
need but you need it because if it

246
00:15:15,710 --> 00:15:10,730
happens you have to be ready for it and

247
00:15:19,250 --> 00:15:15,720
yeah i think for improvement wise yeah i

248
00:15:22,280 --> 00:15:19,260
like to be more trained maybe on the

249
00:15:24,380 --> 00:15:22,290
routine ops because like i said that's

250
00:15:26,300 --> 00:15:24,390
the routing thinks that you hardly train

251
00:15:29,680 --> 00:15:26,310
on ground but that will happen every day

252
00:15:34,030 --> 00:15:29,690
because it's it's a routine of course

253
00:15:38,199 --> 00:15:36,370
good morning my name is Ben Daugherty

254
00:15:40,269 --> 00:15:38,209
from hostile middle school this question

255
00:15:41,829 --> 00:15:40,279
is for commander Burbank which

256
00:15:48,030 --> 00:15:41,839
experiment is currently giving you the

257
00:15:52,120 --> 00:15:49,840
well first off we get a lot of

258
00:15:53,170 --> 00:15:52,130
experiments family we have well over a

259
00:15:55,449 --> 00:15:53,180
hundred that we're going to do during

260
00:15:57,340 --> 00:15:55,459
our time on board space station here if

261
00:15:58,960 --> 00:15:57,350
you if I look at it from just the

262
00:16:00,850 --> 00:15:58,970
physical sciences which is a large

263
00:16:02,650 --> 00:16:00,860

portion of what we do some of the things

264
00:16:06,340 --> 00:16:02,660
that have the experiments that have the

265
00:16:09,009 --> 00:16:06,350
most interesting boy that's funny or aha

266
00:16:11,050 --> 00:16:09,019
moments are the ones related to to fluid

267
00:16:12,400 --> 00:16:11,060
mechanics right now and one in

268
00:16:15,040 --> 00:16:12,410
particular it's called the capillary

269
00:16:16,870 --> 00:16:15,050
flow experiment experiment and that

270
00:16:18,910 --> 00:16:16,880
basically looks at a very fundamental

271
00:16:21,129 --> 00:16:18,920
level of how fluids behave in

272
00:16:24,400 --> 00:16:21,139
microgravity and it has a lot of

273
00:16:27,370 --> 00:16:24,410
importance for fuel systems propulsion

274
00:16:29,319 --> 00:16:27,380
systems for water supply systems for

275
00:16:31,689 --> 00:16:29,329
thermal control systems anything that

276
00:16:34,870 --> 00:16:31,699
runs on fluids and it turns out there's

277
00:16:38,740 --> 00:16:34,880
a lot of cases where the models in the

278
00:16:41,350 --> 00:16:38,750
way people thought fluids behaved when

279
00:16:44,259 --> 00:16:41,360
there were in very very small quarters

280
00:16:47,079 --> 00:16:44,269
or when they're in a narrow gap between

281
00:16:49,480 --> 00:16:47,089
say a vein and a in the side of a tank

282
00:16:51,280 --> 00:16:49,490
is a little bit different in some cases

283
00:16:53,170 --> 00:16:51,290
quite a bit different than what was

284
00:16:54,759 --> 00:16:53,180
predicted on the ground if I look at the

285
00:16:56,590 --> 00:16:54,769
life sciences stuff some of the really

286
00:16:58,300 --> 00:16:56,600
interesting experiments or interesting

287
00:17:00,460 --> 00:16:58,310
results we're getting have to do with

288
00:17:02,199 --> 00:17:00,470

how to keep humans healthy long term in

289
00:17:04,780 --> 00:17:02,209
space and one of those in particular an

290
00:17:07,840 --> 00:17:04,790
integrated cardiovascular study looks at

291
00:17:09,640 --> 00:17:07,850
you know head to feet everything that's

292
00:17:11,470 --> 00:17:09,650
going on in our cardiovascular system

293
00:17:14,110 --> 00:17:11,480
from the heart to the blood vessels and

294
00:17:15,909 --> 00:17:14,120
we do a lot of ultrasound investigations

295
00:17:18,579 --> 00:17:15,919
on that a lot of it involves some of the

296
00:17:19,990 --> 00:17:18,589
exercises that we do and a lot of the

297
00:17:21,789 --> 00:17:20,000
jury's still out on that there's a data

298
00:17:24,840 --> 00:17:21,799
that's being collected but we're getting

299
00:17:28,920 --> 00:17:24,850
some very interesting results out of it

300
00:17:33,910 --> 00:17:31,570
hello my name is Randy struble from

301
00:17:36,760 --> 00:17:33,920
Green Township this question for flight

302
00:17:38,950 --> 00:17:36,770
engineer Kuiper's what tests are a new

303
00:17:40,570 --> 00:17:38,960
robot raavanan to find on the space

304
00:17:47,390 --> 00:17:40,580
station and what is it can of I'm

305
00:17:53,600 --> 00:17:50,160
that's an interesting question this is

306
00:17:58,560 --> 00:17:53,610
the beginning of a new era with robots

307
00:18:01,470 --> 00:17:58,570
really now in in space on board and well

308
00:18:05,040 --> 00:18:01,480
of course and one of the major task is

309
00:18:07,530 --> 00:18:05,050
for simple dangerous things or for

310
00:18:10,860 --> 00:18:07,540
example routine things that that that

311
00:18:14,430 --> 00:18:10,870
cost a lot of crew time and I are not

312
00:18:17,190 --> 00:18:14,440
too difficult for a robot so these

313
00:18:20,370 --> 00:18:17,200

things Robonaut can can can do perfectly

314
00:18:23,580 --> 00:18:20,380
so the crew can spend their time on a

315
00:18:27,030 --> 00:18:23,590
more complex things that that humans

316
00:18:29,670 --> 00:18:27,040
still have to do so I foresee an

317
00:18:32,640 --> 00:18:29,680
interesting future which makes the work

318
00:18:35,710 --> 00:18:32,650
and life more interesting even food for

319
00:18:35,720 --> 00:18:40,430
thank you

320
00:18:49,019 --> 00:18:45,419
this is Madison wells from an over this

321
00:18:51,119 --> 00:18:49,029
is a question for commander Burbank well

322
00:18:53,940 --> 00:18:51,129
personal belongings is each crew member

323
00:18:57,409 --> 00:18:53,950
allowed to bring it and what did you

324
00:19:01,469 --> 00:18:59,580
you can actually bring just a small

325
00:19:03,210 --> 00:19:01,479
amount of things up to space station and

326
00:19:04,979 --> 00:19:03,220
the kind of things you typically bring

327
00:19:08,009 --> 00:19:04,989
the things that I brought were pictures

328
00:19:09,450 --> 00:19:08,019
of family and friends there were you

329
00:19:11,219 --> 00:19:09,460
could bring books you could bring you

330
00:19:14,789 --> 00:19:11,229
know a few things like that a lot of the

331
00:19:17,070 --> 00:19:14,799
things that that you want our kind of

332
00:19:18,509 --> 00:19:17,080
ways to maintain a connection to the

333
00:19:22,080 --> 00:19:18,519
people that you miss while you're up

334
00:19:24,269 --> 00:19:22,090
here so in my case I have just a few

335
00:19:28,249 --> 00:19:24,279
knickknacks or a few odds and ends I've

336
00:19:30,839 --> 00:19:28,259
got some cards from my family and I

337
00:19:32,580 --> 00:19:30,849
think that's probably pretty typical of

338
00:19:34,259 --> 00:19:32,590

what most most folks will have I have a

339
00:19:36,659 --> 00:19:34,269
few pieces of jewelry I have my wife's

340
00:19:38,640 --> 00:19:36,669
wedding ring for example things like

341
00:19:41,830 --> 00:19:38,650
that

342
00:19:46,450 --> 00:19:44,649
gentlemen once again from green and over

343
00:19:57,480 --> 00:19:46,460
and Newton we wish you a marvelous

344
00:20:03,040 --> 00:20:01,210
and and thank you all very much it was

345
00:20:04,600 --> 00:20:03,050
great talking with you today and these

346
00:20:06,850 --> 00:20:04,610
are great questions and we wish you all

347
00:20:11,140 --> 00:20:06,860
the very best and if and if you're

348
00:20:12,730 --> 00:20:11,150
interested and the future has a you know

349
00:20:14,290 --> 00:20:12,740
has had some interest for you in the

350
00:20:16,330 --> 00:20:14,300
space program we'd love to have you

351
00:20:18,400 --> 00:20:16,340
because we needed a lot of bright and

352
00:20:24,930 --> 00:20:18,410
talented minds to carry us to the next

353
00:20:31,430 --> 00:20:28,120
station this is Houston ACR thank you

354
00:20:33,769 --> 00:20:31,440
that concludes the event

355
00:20:35,930 --> 00:20:33,779
thank you try district curriculum

356
00:20:38,450 --> 00:20:35,940
consortium station we are now resuming