



1
00:00:10,350 --> 00:00:09,430
hi

2
00:00:13,190 --> 00:00:10,360
i'm

3
00:00:14,549 --> 00:00:13,200
sts-131 mission specialist naoko

4
00:01:09,109 --> 00:00:14,559
yamazaki

5
00:01:09,119 --> 00:01:12,789
a

6
00:01:12,799 --> 00:01:38,469
um

7
00:02:10,869 --> 00:01:42,149
i

8
00:02:15,750 --> 00:02:10,879
proud of

9
00:02:15,760 --> 00:02:32,869
night

10
00:02:36,630 --> 00:02:34,630
your family is once again here with us

11
00:02:39,509 --> 00:02:36,640
today your biggest fans are very proud

12
00:02:43,509 --> 00:02:39,519
of you and so are we

13
00:02:46,869 --> 00:02:45,350

the execute package is on board and

14

00:02:48,869 --> 00:02:46,879

should be printing

15

00:02:50,949 --> 00:02:48,879

message 100 which is your doc late

16

00:02:53,509 --> 00:02:50,959

inspection procedure will not be printed

17

00:02:56,070 --> 00:02:53,519

this morning you are go to change out

18

00:02:58,309 --> 00:02:56,080

the image cards in the pgs

19

00:02:59,990 --> 00:02:58,319

and you are go for outlook

20

00:03:01,990 --> 00:03:00,000

uh we have some big picture words for

21

00:03:04,710 --> 00:03:02,000

you on the plan this morning the

22

00:03:06,790 --> 00:03:04,720

decision has been made to not perform a

23

00:03:08,630 --> 00:03:06,800

fourth eva on this mission

24

00:03:11,509 --> 00:03:08,640

analysis shows that the current ata

25

00:03:13,190 --> 00:03:11,519

config is okay for an extended period uh

26
00:03:14,630 --> 00:03:13,200
once you guys everybody's awake and

27
00:03:16,710 --> 00:03:14,640
you've had some coffee you can get with

28
00:03:18,949 --> 00:03:16,720
the iss crew and call down on the big

29
00:03:21,350 --> 00:03:18,959
loop to the iss mcc and they'll give you

30
00:03:23,589 --> 00:03:21,360
some more detailed words

31
00:03:25,990 --> 00:03:23,599
okay megan that sounds great thanks a

32
00:03:28,309 --> 00:03:26,000
lot uh we again we appreciate all the

33
00:03:30,229 --> 00:03:28,319
extra effort that went into

34
00:03:32,309 --> 00:03:30,239
quickly uh looking at that

35
00:03:33,110 --> 00:03:32,319
option and

36
00:03:37,190 --> 00:03:33,120
we're

37
00:03:47,910 --> 00:03:37,200
without the extra eda here for a little

38
00:03:51,750 --> 00:03:50,070

mission specialist yamazaki here

39

00:03:53,589 --> 00:03:51,760

floating out of the multi-purpose

40

00:03:55,509 --> 00:03:53,599

logistics module she's been

41

00:03:57,670 --> 00:03:55,519

one of the

42

00:04:00,229 --> 00:03:57,680

crew members in charge of the

43

00:04:02,710 --> 00:04:00,239

transfer of items to and from that

44

00:04:04,229 --> 00:04:02,720

module getting it ready now to be

45

00:04:05,910 --> 00:04:04,239

buttoned up and close the hatches

46

00:04:07,350 --> 00:04:05,920

between the two

47

00:04:10,149 --> 00:04:07,360

between the module and the rest of the

48

00:04:11,910 --> 00:04:10,159

station so that it can be removed today

49

00:04:13,509 --> 00:04:11,920

by the space station's robotic arm and

50

00:04:23,430 --> 00:04:13,519

installed back inside the shuttle's

51
00:04:27,590 --> 00:04:24,870
and houston

52
00:04:29,909 --> 00:04:27,600
on two for mplm egress

53
00:04:33,670 --> 00:04:29,919
we are now we just finished the 6-1-1

54
00:04:39,749 --> 00:04:33,680
now ready to close the hatch in a minute

55
00:04:44,870 --> 00:04:41,909
flight engineer suicide gucci with

56
00:04:46,790 --> 00:04:44,880
commander allen poindexter and

57
00:04:49,110 --> 00:04:46,800
mission specialist clay anderson closing

58
00:04:50,629 --> 00:04:49,120
that hatch on the leonardo multipurpose

59
00:04:53,030 --> 00:04:50,639
logistics module

60
00:04:54,310 --> 00:04:53,040
this will not be leonardo's last visit

61
00:04:57,510 --> 00:04:54,320
to the station and will be coming back

62
00:04:58,870 --> 00:04:57,520
up on the sts-130 mission to

63
00:05:02,629 --> 00:04:58,880

remain permanently at the station at

64

00:05:16,710 --> 00:05:04,790

be able then to act as a storage room

65

00:05:22,550 --> 00:05:18,790

eastern station on the big loop the

66

00:05:22,560 --> 00:08:15,189

copy closed hatch thank you

67

00:08:20,230 --> 00:08:18,070

discovery houston air to ground 2 for

68

00:08:26,309 --> 00:08:20,240

some switch throws

69

00:08:32,389 --> 00:08:28,309

go ahead cj i'm on a15

70

00:08:35,190 --> 00:08:32,399

okay dex uh we've just about depleted

71

00:08:36,389 --> 00:08:35,200

cryo o2 tank 5.

72

00:08:38,469 --> 00:08:36,399

so we're going to give you a go to

73

00:08:41,990 --> 00:08:38,479

perform those steps now

74

00:08:46,630 --> 00:08:42,000

a15 cryo tank five

75

00:08:52,790 --> 00:08:49,670

okay on a15 i'm taking the cryo tank 502

76

00:08:54,470 --> 00:08:52,800

heater alpha to off off

77

00:08:57,670 --> 00:08:54,480

and that's complete

78

00:08:58,470 --> 00:08:57,680

very good and then on a11 you can take

79

00:09:04,949 --> 00:08:58,480

uh

80

00:09:11,590 --> 00:09:08,230

got the tank 4 heater

81

00:09:13,430 --> 00:09:11,600

alpha to auto complete

82

00:09:15,269 --> 00:09:13,440

thanks thanks a lot discovery and a good

83

00:09:20,070 --> 00:09:15,279

cryo config and dex i don't know if you

84

00:09:24,870 --> 00:09:21,990

copy all cj thanks a lot we're looking

85

00:10:10,470 --> 00:09:24,880

at outlook we appreciate the mail think

86

00:10:10,480 --> 00:10:14,710

station houston two for cbm

87

00:10:19,829 --> 00:10:16,949

go ahead stand for cbm

88

00:10:21,990 --> 00:10:19,839

yeah we're seeing a calm error on cbm

89

00:10:24,470 --> 00:10:22,000

latch 2. we'd like to ask you to stand

90

00:10:26,470 --> 00:10:24,480

down on the center disk cover install in

91

00:10:29,269 --> 00:10:26,480

case we need to get in and access the

92

00:10:33,110 --> 00:10:31,750

okay we copy and we'll stand

93

00:10:37,750 --> 00:10:33,120

thank you and we're troubleshooting the

94

00:10:45,110 --> 00:10:40,310

houston on the big loop with some cbm

95

00:10:48,470 --> 00:10:46,470

go ahead clay

96

00:10:50,069 --> 00:10:48,480

yes dan we might have some left i don't

97

00:10:50,790 --> 00:10:50,079

know if sweetie called this down to you

98

00:10:53,190 --> 00:10:50,800

but

99

00:10:55,750 --> 00:10:53,200

on the port cpa

100

00:10:58,230 --> 00:10:55,760

the j5 connector

101

00:11:00,710 --> 00:10:58,240

uh it appears i'm gonna have to use

102

00:11:01,509 --> 00:11:00,720

another one to try to describe it to you

103

00:11:03,590 --> 00:11:01,519

but

104

00:11:05,590 --> 00:11:03,600

on the top of the connector there's a

105

00:11:08,069 --> 00:11:05,600

small set screw

106

00:11:10,790 --> 00:11:08,079

and i'm not sure if it holds that piece

107

00:11:12,630 --> 00:11:10,800

of the connector flush parallel

108

00:11:15,990 --> 00:11:12,640

to the remaining part of the connector

109

00:11:17,990 --> 00:11:16,000

that screws on and it's kind of slightly

110

00:11:19,430 --> 00:11:18,000

popped up

111

00:11:21,670 --> 00:11:19,440

we haven't disconnected anything of

112

00:11:24,230 --> 00:11:21,680

course when we do we can take a better

113

00:11:26,829 --> 00:11:24,240

look at it but

114

00:11:29,269 --> 00:11:26,839

if you look at a general one of those

115

00:11:31,269 --> 00:11:29,279

connectors you have the part that screws

116

00:11:33,190 --> 00:11:31,279

on and then you have the right angle

117

00:11:34,949 --> 00:11:33,200

that turns and goes to the cable well at

118

00:11:37,110 --> 00:11:34,959

the top of that right angle corner

119

00:11:40,630 --> 00:11:37,120

there's a set screw on each of these

120

00:11:42,870 --> 00:11:40,640

connectors right below the set screw

121

00:11:44,630 --> 00:11:42,880

is a seam

122

00:11:50,470 --> 00:11:44,640

where the two metal pieces are held by

123

00:11:54,389 --> 00:11:53,509

and uh clay can you point the camera at

124

00:11:58,790 --> 00:11:54,399

that

125

00:12:02,389 --> 00:12:00,710

dan we can show i'll tell you what if

126
00:12:04,230 --> 00:12:02,399
you'd like the information we can show

127
00:12:05,829 --> 00:12:04,240
you one unless you're ready for us to

128
00:12:08,870 --> 00:12:05,839
disconnect it it'll be hard to show you

129
00:12:14,230 --> 00:12:08,880
the exact one but i can show you

130
00:12:18,310 --> 00:12:15,590
hey clay we'll take it we're not ready

131
00:12:19,590 --> 00:12:18,320
for you to disconnect the bad boy yet

132
00:12:21,509 --> 00:12:19,600
okay so

133
00:12:29,269 --> 00:12:21,519
luigi's going to come down to dexter's

134
00:12:37,430 --> 00:12:32,069
and on this cap

135
00:13:05,670 --> 00:12:39,590
stand by clay we may need to ask you to

136
00:13:12,230 --> 00:13:08,230
so we can see dex's forearm but not his

137
00:13:12,240 --> 00:13:30,310
that's better a little out of focus

138
00:13:33,509 --> 00:13:31,990

and guys looks like this camera is not

139

00:13:35,190 --> 00:13:33,519

going to be able to give us as good a

140

00:13:38,069 --> 00:13:35,200

resolution as we need could you please

141

00:13:39,430 --> 00:13:38,079

bring in the node 2 camera

142

00:13:56,629 --> 00:13:39,440

and we'll wrap that to downlink so we

143

00:14:07,910 --> 00:13:58,310

and station for node two camera uh

144

00:14:13,030 --> 00:14:09,910

and station that's a good view now so go

145

00:14:16,949 --> 00:14:14,949

okay so if you look at dex's index

146

00:14:19,509 --> 00:14:16,959

finger that he's pointing to the

147

00:14:21,509 --> 00:14:19,519

interface that is that has the gap okay

148

00:14:27,269 --> 00:14:21,519

and the gap is at the opposite end of

149

00:14:33,110 --> 00:14:30,389

and there's a set screw on top of that

150

00:14:35,269 --> 00:14:33,120

interface and i until we take it off we

151
00:14:41,670 --> 00:14:35,279
won't know if tightening that set screw

152
00:14:46,310 --> 00:14:43,269
of course it's not this connector this

153
00:14:48,470 --> 00:14:46,320
is an example connector it's j5 on the

154
00:14:50,629 --> 00:14:48,480
port cpa

155
00:14:52,069 --> 00:14:50,639
okay we copy and we understand and we're

156
00:14:55,030 --> 00:14:52,079
talking about it thanks for the view we

157
00:15:00,069 --> 00:14:58,389
you're very welcome

158
00:15:01,990 --> 00:15:00,079
mission specialist clay anderson and

159
00:15:04,230 --> 00:15:02,000
commander

160
00:15:06,150 --> 00:15:04,240
alan poindexter there sending down some

161
00:15:07,509 --> 00:15:06,160
information on the control panel

162
00:15:09,590 --> 00:15:07,519
assemblies and the calming birthing

163
00:15:13,829 --> 00:15:09,600

mechanism

164

00:15:17,030 --> 00:15:13,839

on the leonardo module again that

165

00:15:18,470 --> 00:15:17,040

common birthing mechanism has been

166

00:15:20,150 --> 00:15:18,480

giving the team here on the ground some

167

00:15:20,949 --> 00:15:20,160

trouble one of the latches didn't work

168

00:15:22,550 --> 00:15:20,959

and

169

00:15:24,150 --> 00:15:22,560

they've had a couple of other errors as

170

00:15:27,189 --> 00:15:24,160

well and are trying to trace it back to

171

00:15:30,389 --> 00:15:27,199

a source possibly one of the

172

00:15:30,399 --> 00:15:35,590

anderson was showing there

173

00:15:42,870 --> 00:15:38,870

station houston big loop for robotics

174

00:15:45,350 --> 00:15:44,629

for robotics

175

00:15:47,269 --> 00:15:45,360

hey

176

00:15:48,870 --> 00:15:47,279

we see the mplm grapple is coming up on

177

00:15:50,949 --> 00:15:48,880

the timeline here in a few minutes and

178

00:15:51,749 --> 00:15:50,959

we would like you to go ahead and defer

179

00:15:53,509 --> 00:15:51,759

that

180

00:15:55,189 --> 00:15:53,519

and not begin it

181

00:15:57,110 --> 00:15:55,199

we would like to have more confidence

182

00:15:59,030 --> 00:15:57,120

that we'll be able to demate the mplm

183

00:16:01,829 --> 00:15:59,040

before we grapple it and the reason for

184

00:16:03,910 --> 00:16:01,839

that is we don't want the ssrms

185

00:16:05,509 --> 00:16:03,920

put into a position that might impede

186

00:16:13,509 --> 00:16:05,519

the doctorate inspection if it should

187

00:16:17,829 --> 00:16:16,150

and station houston on two on with a big

188

00:16:19,509 --> 00:16:17,839

picture on where we are with the cbm

189

00:16:20,389 --> 00:16:19,519

mobs

190

00:16:22,310 --> 00:16:20,399

we are

191

00:16:24,790 --> 00:16:22,320

currently in the process of repowering

192

00:16:26,230 --> 00:16:24,800

cpa 3 and then checking its

193

00:16:27,829 --> 00:16:26,240

functionality

194

00:16:30,949 --> 00:16:27,839

once we're comfortable with everything

195

00:16:33,509 --> 00:16:30,959

we see there we will get you guys going

196

00:16:37,509 --> 00:16:33,519

again and vestibule depress

197

00:16:39,670 --> 00:16:37,519

and we will also at the same time be

198

00:16:41,670 --> 00:16:39,680

getting you started on the

199

00:16:43,350 --> 00:16:41,680

ssrms ops

200

00:16:50,870 --> 00:16:43,360

so that's where we are right now and

201
00:16:54,230 --> 00:16:53,189
sts-131 mission specialist stephanie

202
00:16:56,230 --> 00:16:54,240
wilson

203
00:16:57,829 --> 00:16:56,240
as well as naoko yamazaki are working

204
00:16:59,910 --> 00:16:57,839
inside the destiny laboratory at the

205
00:17:01,030 --> 00:16:59,920
robotics workstation that controls the

206
00:17:02,710 --> 00:17:01,040
station's

207
00:17:05,110 --> 00:17:02,720
giant robotic arm

208
00:17:07,189 --> 00:17:05,120
that arm is currently grappled onto

209
00:17:08,710 --> 00:17:07,199
leonardo

210
00:17:10,230 --> 00:17:08,720
at the same time the crew inside is

211
00:17:12,309 --> 00:17:10,240
working through the what's known as the

212
00:17:14,710 --> 00:17:12,319
depress process

213
00:17:17,270 --> 00:17:14,720

to get the uh area in between the

214

00:17:19,429 --> 00:17:17,280

station's hatch and leonardo's hatch

215

00:17:21,110 --> 00:17:19,439

depressurized that is the next major

216

00:17:23,829 --> 00:17:21,120

step that has to be done

217

00:17:25,270 --> 00:17:23,839

before leonardo can be unberthed and

218

00:17:33,750 --> 00:17:25,280

begin the process of moving it toward

219

00:17:37,510 --> 00:17:35,430

for the deep press

220

00:17:39,909 --> 00:17:37,520

go ahead switching yeah just let you

221

00:17:43,590 --> 00:17:39,919

know uh it's a deep resistor going on

222

00:17:45,029 --> 00:17:43,600

and the pressure is now uh 8.8

223

00:18:06,549 --> 00:17:45,039

million

224

00:18:13,029 --> 00:18:09,510

okay rms operator from cbm operator go

225

00:18:15,750 --> 00:18:13,039

for rms to maneuver element

226

00:18:28,230 --> 00:18:15,760

ssrms operator copies go to maneuver

227

00:18:31,270 --> 00:18:29,830

this is mission control houston just to

228

00:18:32,390 --> 00:18:31,280

confirm the four latches that were

229

00:18:34,470 --> 00:18:32,400

holding the

230

00:18:38,789 --> 00:18:34,480

leonardo multipurpose logistics module

231

00:18:42,150 --> 00:18:40,549

leonardo is now under the control of the

232

00:18:44,950 --> 00:18:42,160

station's robotic arm which is being

233

00:18:46,789 --> 00:18:44,960

flown by stephanie wilson

234

00:18:50,870 --> 00:18:46,799

as well as naoko yamazaki the two

235

00:18:52,470 --> 00:18:50,880

sts-131 mission specialists

236

00:18:54,390 --> 00:18:52,480

the robotics officer here in mission

237

00:18:56,390 --> 00:18:54,400

control confirming that leonardo is

238

00:19:31,430 --> 00:18:56,400

being moved toward discovery's payload

239

00:19:34,710 --> 00:19:33,430

as we mentioned this maneuver back to

240

00:19:37,110 --> 00:19:34,720

discovery's payload bay is a

241

00:19:41,350 --> 00:19:37,120

step-by-step process with a few pause

242

00:19:45,190 --> 00:19:44,150

a crew is discussing the option with

243

00:19:47,029 --> 00:19:45,200

ground teams to where they would

244

00:19:48,950 --> 00:19:47,039

basically pause

245

00:19:50,789 --> 00:19:48,960

overnight with leonardo in what's called

246

00:19:52,390 --> 00:19:50,799

the low hover position

247

00:19:54,390 --> 00:19:52,400

this is where it is basically tucked

248

00:19:57,590 --> 00:19:54,400

down into discovery's payload bay but

249

00:19:59,750 --> 00:19:57,600

not yet latched and it will remain on

250

00:20:01,990 --> 00:19:59,760

the station's arm overnight until the

251
00:20:03,510 --> 00:20:02,000
crew wakes up in the morning

252
00:20:05,590 --> 00:20:03,520
this would be done just because the crew

253
00:20:07,909 --> 00:20:05,600
has had an extremely long day they were

254
00:20:11,270 --> 00:20:07,919
due to already go to bed at this point

255
00:20:15,669 --> 00:20:13,110
but due to this morning's challenges

256
00:20:17,110 --> 00:20:15,679
their day ran a little bit long they did

257
00:20:19,350 --> 00:20:17,120
talk with the ground team to take a look

258
00:20:20,789 --> 00:20:19,360
at the timeline for tomorrow

259
00:20:21,750 --> 00:20:20,799
and

260
00:20:23,669 --> 00:20:21,760
everything should be able to be

261
00:20:26,230 --> 00:20:23,679
accomplished tomorrow including the late

262
00:20:28,310 --> 00:20:26,240
inspection of discovery's heat shield

263
00:20:30,149 --> 00:20:28,320

using the orbiter boom sensor system so

264

00:20:31,190 --> 00:20:30,159

there is plenty of time tomorrow to

265

00:20:32,789 --> 00:20:31,200

accomplish

266

00:20:35,430 --> 00:20:32,799

both that inspection

267

00:20:36,789 --> 00:20:35,440

and the final hour or hour and a half

268

00:20:39,270 --> 00:20:36,799

of work that would need to be done to

269

00:21:01,909 --> 00:20:39,280

get leonardo successfully latched down

270

00:21:06,710 --> 00:21:04,870

so as you can see uh leonardo has uh

271

00:21:08,470 --> 00:21:06,720

begun its trip back to discovery in

272

00:21:09,750 --> 00:21:08,480

earnest

273

00:21:11,190 --> 00:21:09,760

they're going to hold at this particular

274

00:21:13,909 --> 00:21:11,200

position for a few minutes and then they

275

00:21:19,510 --> 00:21:13,919

will continue to move closer to

276
00:21:29,350 --> 00:21:21,669
the team here reporting that everything

277
00:21:32,630 --> 00:21:30,549
from the smoothly

278
00:21:36,950 --> 00:21:32,640
operator to cdm operator clear structure

279
00:21:39,750 --> 00:21:38,310
if you look toward the bottom of the

280
00:21:41,270 --> 00:21:39,760
screen

281
00:21:43,190 --> 00:21:41,280
you may see what's known as the pedals

282
00:21:45,430 --> 00:21:43,200
these are basically the

283
00:21:47,029 --> 00:21:45,440
shutters that will close over what is

284
00:21:52,310 --> 00:21:47,039
known as the cbm the common birthing

285
00:21:52,320 --> 00:21:56,549
they will uh flip over and close shut

286
00:22:02,710 --> 00:21:58,230
yeah we'll take care of the rest of the

287
00:22:02,720 --> 00:22:06,789
okay thank you very much

288
00:22:06,799 --> 00:22:09,669

did that

289

00:22:17,830 --> 00:22:12,710

end good job with that guys thank you i

290

00:22:20,630 --> 00:22:19,190

so the ground team letting soichino

291

00:22:22,230 --> 00:22:20,640

gucci know that they would

292

00:22:24,230 --> 00:22:22,240

take over the final commanding of the

293

00:22:25,669 --> 00:22:24,240

common birthing mechanism on the station

294

00:22:27,750 --> 00:22:25,679

side

295

00:22:29,350 --> 00:22:27,760

and uh he can pretty much wrap up his

296

00:22:30,470 --> 00:22:29,360

activity for the day today is soichi's

297

00:22:34,230 --> 00:22:30,480

birthday

298

00:22:48,870 --> 00:22:36,149

they both had a very busy day for their

299

00:23:03,110 --> 00:22:50,310

houston station

300

00:23:07,110 --> 00:23:04,710

after all the troubleshooting today and

301
00:23:08,630 --> 00:23:07,120
looked around at some uh tired faces so

302
00:23:10,149 --> 00:23:08,640
what do you guys say we call it a night

303
00:23:12,710 --> 00:23:10,159
and uh

304
00:23:15,430 --> 00:23:12,720
sleep in a little bit tomorrow uh an

305
00:23:18,230 --> 00:23:15,440
hour or so and then uh get going on this

306
00:23:21,110 --> 00:23:18,240
first thing in the morning

307
00:23:23,350 --> 00:23:21,120
a great job on both the station and the

308
00:23:25,669 --> 00:23:23,360
discovery team

309
00:23:27,669 --> 00:23:25,679
on the ground station team and shuttle

310
00:23:28,390 --> 00:23:27,679
team are in agreement

311
00:23:32,470 --> 00:23:28,400
to

312
00:23:35,190 --> 00:23:32,480
pause at this point in low hover

313
00:23:37,350 --> 00:23:35,200

for tomorrow we'll pick up in the mplm

314

00:23:40,230 --> 00:23:37,360

activities about a one and a half one

315

00:23:41,590 --> 00:23:40,240

hour and five minute arm ups

316

00:23:43,590 --> 00:23:41,600

followed by the

317

00:23:46,310 --> 00:23:43,600

doc laid inspection

318

00:23:49,510 --> 00:23:46,320

uh as you mentioned you can sleep in one

319

00:23:52,310 --> 00:23:49,520

hour or as late as one and a half hours

320

00:23:54,390 --> 00:23:52,320

your choice uh just let us know

321

00:23:56,950 --> 00:23:54,400

uh once again congratulations to the

322

00:24:01,029 --> 00:23:59,350

uh congratulations to all the teams in

323

00:24:01,830 --> 00:24:01,039

houston you guys did all the hard work

324

00:24:03,590 --> 00:24:01,840

today

325

00:24:04,390 --> 00:24:03,600

and we're just real happy that cbm

326

00:24:05,909 --> 00:24:04,400

worked

327

00:24:07,269 --> 00:24:05,919

as advertised

328

00:24:08,789 --> 00:24:07,279

that you're able to work through your

329

00:24:11,029 --> 00:24:08,799

troubleshooting procedures

330

00:24:12,710 --> 00:24:11,039

uh we will take you up on your offer to

331

00:24:18,149 --> 00:24:12,720

sleep in one hour early we'll set up our

332

00:24:23,750 --> 00:24:21,190

900 1900 for the wake up time we just

333

00:24:26,630 --> 00:24:23,760

need safing on the arm and standard

334

00:24:36,630 --> 00:24:29,190

i understand uh y'all uh i'll turn the

335

00:24:40,549 --> 00:24:38,549

this is station on two for robotics

336

00:24:43,669 --> 00:24:40,559

we've got the brakes on

337

00:24:45,350 --> 00:24:43,679

and when we pick up tomorrow we'll pick

338

00:24:47,350 --> 00:24:45,360

back up at step four to have the shuttle

339

00:24:51,269 --> 00:24:47,360

crew activate the kill camera

340

00:24:53,190 --> 00:24:51,279

and then we'll pick back up in step 11.

341

00:24:57,110 --> 00:24:53,200

okay we concur with that plan thanks