



Space Center

Center

1
00:00:05,269 --> 00:00:03,270
well good day and welcome back to the

2
00:00:07,030 --> 00:00:05,279
johnson space center for today's mission

3
00:00:08,470 --> 00:00:07,040
status briefing on flight day four of

4
00:00:10,629 --> 00:00:08,480
discovery's final flight to the

5
00:00:12,549 --> 00:00:10,639
international space station with us

6
00:00:14,150 --> 00:00:12,559
today to discuss all of the activities

7
00:00:16,230 --> 00:00:14,160
involving the 12 crew members on the

8
00:00:19,750 --> 00:00:16,240
shuttle station complex and upcoming

9
00:00:21,750 --> 00:00:19,760
activities is the sts-133 ulf-5

10
00:00:24,550 --> 00:00:21,760
international space station orbit one

11
00:00:26,950 --> 00:00:24,560
flight director david korth david

12
00:00:28,150 --> 00:00:26,960
all right good day everyone

13
00:00:30,310 --> 00:00:28,160

what i'll do is i'll talk a little bit

14

00:00:31,990 --> 00:00:30,320

about the the current system status for

15

00:00:33,990 --> 00:00:32,000

the orbiter and station and then talk

16

00:00:36,069 --> 00:00:34,000

about what we've done today on station

17

00:00:37,750 --> 00:00:36,079

what's coming up this afternoon

18

00:00:40,229 --> 00:00:37,760

and a preview of some things coming up

19

00:00:42,790 --> 00:00:40,239

in the next several days

20

00:00:44,549 --> 00:00:42,800

to start with uh orbiter systems are

21

00:00:46,229 --> 00:00:44,559

performing well

22

00:00:48,310 --> 00:00:46,239

we had a couple of things that we looked

23

00:00:50,630 --> 00:00:48,320

at over the last few days

24

00:00:53,350 --> 00:00:50,640

but everything's cleared themselves up

25

00:00:55,350 --> 00:00:53,360

in fact the debris avoidance team has

26

00:00:56,709 --> 00:00:55,360

received all the imagery

27

00:00:58,869 --> 00:00:56,719

and i understand there was a question to

28

00:01:01,430 --> 00:00:58,879

brian lonnie

29

00:01:05,149 --> 00:01:01,440

yesterday regarding how many rpm photos

30

00:01:08,789 --> 00:01:05,159

did we take and we took 302 photos

31

00:01:11,990 --> 00:01:08,799

155 with the 800 millimeter lens and the

32

00:01:13,590 --> 00:01:12,000

balance 147 with the 400 millimeter lens

33

00:01:15,510 --> 00:01:13,600

all of those are

34

00:01:17,350 --> 00:01:15,520

are being analyzed right now but the

35

00:01:18,950 --> 00:01:17,360

debris avoidance folks

36

00:01:20,390 --> 00:01:18,960

have decided they don't need any more

37

00:01:21,350 --> 00:01:20,400

information

38

00:01:23,270 --> 00:01:21,360

from us

39

00:01:25,590 --> 00:01:23,280

to assess the orbiter so no focused

40

00:01:27,030 --> 00:01:25,600

inspection will be required

41

00:01:28,630 --> 00:01:27,040

so with that

42

00:01:31,350 --> 00:01:28,640

pre-flight agreement

43

00:01:33,830 --> 00:01:31,360

we're going to take flight day 6 replace

44

00:01:36,710 --> 00:01:33,840

the focused inspection time

45

00:01:39,510 --> 00:01:36,720

with the pmm ingress so we get to shake

46

00:01:40,870 --> 00:01:39,520

hands with robonaut a little sooner than

47

00:01:42,870 --> 00:01:40,880

what was on the original timeline so

48

00:01:45,510 --> 00:01:42,880

we're all excited about that

49

00:01:47,510 --> 00:01:45,520

uh let's see cryo margin wise we've got

50

00:01:49,510 --> 00:01:47,520

the the spitz

51
00:01:52,469 --> 00:01:49,520
up and running it's doing well we've got

52
00:01:57,350 --> 00:01:52,479
two days three hours of margin

53
00:02:00,469 --> 00:01:58,550
let's see

54
00:02:02,469 --> 00:02:00,479
the uh

55
00:02:04,149 --> 00:02:02,479
we're working through some

56
00:02:05,109 --> 00:02:04,159
we were working through some issues with

57
00:02:10,070 --> 00:02:05,119
the

58
00:02:13,510 --> 00:02:10,080
so had some condensation we hooked up a

59
00:02:15,110 --> 00:02:13,520
day early the condensate to uh cwc bags

60
00:02:16,790 --> 00:02:15,120
and everything's been working well so we

61
00:02:18,309 --> 00:02:16,800
just got a jump start on condensate

62
00:02:20,390 --> 00:02:18,319
collection

63
00:02:22,309 --> 00:02:20,400

so that's really it with the orbiter

64

00:02:23,670 --> 00:02:22,319

i said everything's doing really well

65

00:02:26,070 --> 00:02:23,680

with the ordinary orbiter crews doing

66

00:02:28,070 --> 00:02:26,080

well um

67

00:02:30,550 --> 00:02:28,080

from a station side all systems are

68

00:02:33,830 --> 00:02:30,560

nominal uh with the exception of of the

69

00:02:35,910 --> 00:02:33,840

vozduk which we had had planned to uh

70

00:02:39,030 --> 00:02:35,920

remove and replace a little bit later in

71

00:02:40,949 --> 00:02:39,040

this mission uh it was up it was down

72

00:02:41,990 --> 00:02:40,959

it was up again it was down again and

73

00:02:44,309 --> 00:02:42,000

right now

74

00:02:45,589 --> 00:02:44,319

it's been up again the uh the russian

75

00:02:46,949 --> 00:02:45,599

crew members have

76

00:02:48,790 --> 00:02:46,959

reactivated it's been running for a

77

00:02:50,869 --> 00:02:48,800

little over three hours now

78

00:02:52,390 --> 00:02:50,879

so they're trying to get it to uh

79

00:02:54,150 --> 00:02:52,400

basically uh

80

00:02:56,150 --> 00:02:54,160

get along for a couple more days before

81

00:02:57,910 --> 00:02:56,160

we replace it with a new model this

82

00:02:59,750 --> 00:02:57,920

this vas duke actually was the original

83

00:03:00,630 --> 00:02:59,760

one so it's been up there for quite some

84

00:03:03,270 --> 00:03:00,640

time

85

00:03:05,509 --> 00:03:03,280

and it's done its job well

86

00:03:08,550 --> 00:03:05,519

the crew last night i know you talked to

87

00:03:09,910 --> 00:03:08,560

brian and he was uh previewing um what

88

00:03:11,270 --> 00:03:09,920

was coming up today and what they were

89

00:03:14,309 --> 00:03:11,280

looking forward to last night with the

90

00:03:16,550 --> 00:03:14,319

elc-4 installation they the crew

91

00:03:19,750 --> 00:03:16,560

elected to stay up uh about an hour and

92

00:03:22,790 --> 00:03:19,760

a half or so late into their work day

93

00:03:24,630 --> 00:03:22,800

and finish up the elc-4 install

94

00:03:26,949 --> 00:03:24,640

it's it's in it's a

95

00:03:28,630 --> 00:03:26,959

permanent location on the s3

96

00:03:31,270 --> 00:03:28,640

starboard three

97

00:03:32,390 --> 00:03:31,280

lower work site it's got power it's in

98

00:03:33,830 --> 00:03:32,400

grid shape

99

00:03:36,070 --> 00:03:33,840

but we let the crew sleep in a little

100

00:03:37,750 --> 00:03:36,080

bit this morning about 30 minutes or so

101
00:03:41,430 --> 00:03:37,760
to make up for the time they spent last

102
00:03:45,430 --> 00:03:43,270
with respect to what we're doing today

103
00:03:47,030 --> 00:03:45,440
on station it's kind of a myriad of

104
00:03:47,910 --> 00:03:47,040
different activities

105
00:03:49,589 --> 00:03:47,920
uh

106
00:03:51,190 --> 00:03:49,599
primary among those

107
00:03:53,350 --> 00:03:51,200
robotics

108
00:03:54,630 --> 00:03:53,360
we're positioning the uh when i left

109
00:03:57,190 --> 00:03:54,640
console

110
00:03:59,509 --> 00:03:57,200
we had already handed off the obs to

111
00:04:00,949 --> 00:03:59,519
the shuttle arm it had maneuvered to the

112
00:04:02,789 --> 00:04:00,959
viewing position

113
00:04:04,070 --> 00:04:02,799

for eva1

114

00:04:05,910 --> 00:04:04,080

and for

115

00:04:07,830 --> 00:04:05,920

anything else that we may need for pm

116

00:04:09,910 --> 00:04:07,840

install viewing

117

00:04:13,589 --> 00:04:09,920

the station arm is in the process of

118

00:04:15,990 --> 00:04:13,599

walking off to its position on the mbs

119

00:04:18,789 --> 00:04:16,000

to support eva one

120

00:04:20,710 --> 00:04:18,799

so and for the translation again tonight

121

00:04:22,390 --> 00:04:20,720

from uh for the mt from worksite three

122

00:04:24,870 --> 00:04:22,400

to worksite two

123

00:04:26,950 --> 00:04:24,880

so all is is going well on on timeline

124

00:04:28,629 --> 00:04:26,960

with the robotic ops

125

00:04:30,950 --> 00:04:28,639

the europeans

126

00:04:32,950 --> 00:04:30,960

finally had their chance to uh get in

127

00:04:36,629 --> 00:04:32,960

there and fix their water on off off

128

00:04:38,469 --> 00:04:36,639

valve number eight wove eight

129

00:04:41,350 --> 00:04:38,479

and uh paulo

130

00:04:43,590 --> 00:04:41,360

was uh knee deep in in wuve when i left

131

00:04:45,110 --> 00:04:43,600

he's uh he's a little bit ahead of the

132

00:04:46,790 --> 00:04:45,120

timeline i would say

133

00:04:48,870 --> 00:04:46,800

what we're doing is we're

134

00:04:50,870 --> 00:04:48,880

we're going to bring this old wuve home

135

00:04:52,550 --> 00:04:50,880

and we're installing a

136

00:04:53,830 --> 00:04:52,560

kind of a bypass

137

00:04:55,590 --> 00:04:53,840

manifold

138

00:04:58,469 --> 00:04:55,600

to take its place

139

00:05:00,230 --> 00:04:58,479

we the shuttle brought up a new uh wove

140

00:05:02,230 --> 00:05:00,240

that we're going to use as a spare

141

00:05:03,670 --> 00:05:02,240

there's been

142

00:05:05,990 --> 00:05:03,680

some

143

00:05:07,909 --> 00:05:06,000

gel-like deposits that we've seen on the

144

00:05:09,189 --> 00:05:07,919

the valve stems of of a number of these

145

00:05:11,029 --> 00:05:09,199

different woves

146

00:05:12,790 --> 00:05:11,039

that uh is just due to the the liquids

147

00:05:14,390 --> 00:05:12,800

that are flowing through there and the

148

00:05:15,990 --> 00:05:14,400

the temperatures around the valves and

149

00:05:17,270 --> 00:05:16,000

it just forms these little gel-like

150

00:05:19,350 --> 00:05:17,280

deposits

151

00:05:22,070 --> 00:05:19,360

they've seen it on a number of them

152

00:05:25,029 --> 00:05:22,080

this one seemed to have gotten stuck

153

00:05:27,350 --> 00:05:25,039

and it was a time to just clean it up

154

00:05:28,469 --> 00:05:27,360

and and bypass it

155

00:05:30,469 --> 00:05:28,479

so

156

00:05:31,830 --> 00:05:30,479

the that's that's going on schedule and

157

00:05:33,430 --> 00:05:31,840

of course the other main thing we're

158

00:05:35,029 --> 00:05:33,440

doing today is getting ready for eva

159

00:05:36,469 --> 00:05:35,039

number one tomorrow

160

00:05:38,629 --> 00:05:36,479

um

161

00:05:41,270 --> 00:05:38,639

the uh the crew will begin i'll give you

162

00:05:43,749 --> 00:05:41,280

a couple of times here so you can keep

163

00:05:45,029 --> 00:05:43,759

up with the timeline uh airlock campout

164

00:05:47,189 --> 00:05:45,039

will begin

165

00:05:47,990 --> 00:05:47,199

at uh and i'll talk gmt i'm a station

166

00:05:53,430 --> 00:05:48,000

guy

167

00:05:55,590 --> 00:05:53,440

gmt uh 59 days one hour 48 minutes is

168

00:05:57,189 --> 00:05:55,600

when we'll begin the airlock camp out

169

00:05:59,430 --> 00:05:57,199

tonight

170

00:06:01,590 --> 00:05:59,440

and that will be steve bowen alvin drew

171

00:06:03,830 --> 00:06:01,600

hanging out in the airlock met if you're

172

00:06:05,189 --> 00:06:03,840

following met three days three hours 55

173

00:06:06,950 --> 00:06:05,199

minutes

174

00:06:10,550 --> 00:06:06,960

hygiene break begins bright and early

175

00:06:15,590 --> 00:06:10,560

tomorrow morning at gmt 1203

176

00:06:17,110 --> 00:06:15,600

which is a met of 14 hours 10 minutes

177

00:06:19,590 --> 00:06:17,120

we're poisoning for a six and a half

178

00:06:21,270 --> 00:06:19,600

hour eva got a number of different tasks

179

00:06:22,950 --> 00:06:21,280

a lot of them are

180

00:06:25,350 --> 00:06:22,960

a compilation of different makeup and

181

00:06:26,870 --> 00:06:25,360

get ahead tasks

182

00:06:31,350 --> 00:06:26,880

we'll go out the door

183

00:06:33,830 --> 00:06:31,360

at a gmt of 1618 or met 1835

184

00:06:37,270 --> 00:06:33,840

and we'll come back in around 2243 or

185

00:06:40,550 --> 00:06:37,280

met zero hours 50 minutes

186

00:06:42,790 --> 00:06:40,560

two two tasks just to highlight

187

00:06:44,309 --> 00:06:42,800

one of them is the pump module which we

188

00:06:47,110 --> 00:06:44,319

we all got to know and love a little bit

189

00:06:48,870 --> 00:06:47,120

closer a month or so ago i will be

190

00:06:51,830 --> 00:06:48,880

moving that

191

00:06:54,309 --> 00:06:51,840

out to the esp2 site where the the new

192

00:06:56,710 --> 00:06:54,319

pump module came from and first thing on

193

00:06:58,870 --> 00:06:56,720

eva2 on flight day seven we'll be

194

00:07:01,589 --> 00:06:58,880

venting it so we'll uh we'll put it in a

195

00:07:03,909 --> 00:07:01,599

good long-term long-term storage config

196

00:07:05,589 --> 00:07:03,919

hopefully try to bring that back on a

197

00:07:08,469 --> 00:07:05,599

future shuttle flight

198

00:07:09,510 --> 00:07:08,479

the other item of note for the eva

199

00:07:11,589 --> 00:07:09,520

tomorrow

200

00:07:14,230 --> 00:07:11,599

there's a an expansion connector we're

201
00:07:16,629 --> 00:07:14,240
going to make a j612

202
00:07:20,230 --> 00:07:16,639
we're doing that before we uh

203
00:07:23,110 --> 00:07:20,240
burst the pmm module on flight day six

204
00:07:25,830 --> 00:07:23,120
just because the connector places on the

205
00:07:27,909 --> 00:07:25,840
outside of uh node one the air lock

206
00:07:29,749 --> 00:07:27,919
are hard to get to

207
00:07:31,430 --> 00:07:29,759
once you put the pmm in place so

208
00:07:32,870 --> 00:07:31,440
sequentially it just makes sense to get

209
00:07:34,629 --> 00:07:32,880
this task done

210
00:07:38,070 --> 00:07:34,639
and then we'll move on to

211
00:07:40,150 --> 00:07:38,080
installing the pmm on flight day six

212
00:07:41,909 --> 00:07:40,160
and let's see i think

213
00:07:43,670 --> 00:07:41,919

i think those are the main highlights

214

00:07:45,589 --> 00:07:43,680

that i had for the next couple of days

215

00:07:47,510 --> 00:07:45,599

and as i mentioned because no focused

216

00:07:49,110 --> 00:07:47,520

inspection on flight day six in the

217

00:07:51,110 --> 00:07:49,120

morning we'll start off with pmm

218

00:07:52,150 --> 00:07:51,120

installation and then the afternoon

219

00:07:54,390 --> 00:07:52,160

we'll uh

220

00:07:56,830 --> 00:07:54,400

we'll get into pmm ingress and like i

221

00:07:59,749 --> 00:07:56,840

said shake hands with with uh

222

00:08:01,510 --> 00:07:59,759

robonaut so uh with that

223

00:08:02,790 --> 00:08:01,520

i'll open it up for any questions

224

00:08:04,390 --> 00:08:02,800

anybody has

225

00:08:05,990 --> 00:08:04,400

okay we'll take questions here we also

226
00:08:08,150 --> 00:08:06,000
have reporters on the phone bridge and

227
00:08:10,150 --> 00:08:08,160
we'll start over here denise

228
00:08:12,150 --> 00:08:10,160
hi denise childspace.com i was just

229
00:08:13,589 --> 00:08:12,160
wondering if you could go over um tim

230
00:08:14,790 --> 00:08:13,599
kopper's involvement in tomorrow's

231
00:08:16,710 --> 00:08:14,800
spacewalk what he's going to be doing

232
00:08:19,350 --> 00:08:16,720
here from mission control

233
00:08:20,710 --> 00:08:19,360
okay yeah we're glad that uh that tim's

234
00:08:22,869 --> 00:08:20,720
up and moving around in fact he's in

235
00:08:25,270 --> 00:08:22,879
mission control right now

236
00:08:27,110 --> 00:08:25,280
what he's going to do because he trained

237
00:08:29,749 --> 00:08:27,120
to be one of the eva crew members he's

238
00:08:31,430 --> 00:08:29,759

going to be here as as one of our

239

00:08:32,310 --> 00:08:31,440

ground

240

00:08:33,990 --> 00:08:32,320

eva

241

00:08:35,509 --> 00:08:34,000

capcoms so he's going to be following

242

00:08:37,110 --> 00:08:35,519

along helping the guys

243

00:08:38,949 --> 00:08:37,120

steven them

244

00:08:40,949 --> 00:08:38,959

work through the eva tasks from a ground

245

00:08:43,430 --> 00:08:40,959

standpoint and i think that's going to

246

00:08:47,269 --> 00:08:43,440

be a tremendous asset and help to all of

247

00:08:47,279 --> 00:08:50,949

another question robert

248

00:08:57,030 --> 00:08:53,190

robert perelman with collectspace.com

249

00:08:58,710 --> 00:08:57,040

regarding the j612 cable um there's been

250

00:09:00,710 --> 00:08:58,720

times in the past on ebay that

251
00:09:03,590 --> 00:09:00,720
astronauts have had trouble hooking up

252
00:09:05,030 --> 00:09:03,600
cables so can you just uh

253
00:09:07,350 --> 00:09:05,040
describe a little bit about what type of

254
00:09:08,710 --> 00:09:07,360
connection this is and also if you if

255
00:09:10,389 --> 00:09:08,720
they can't get it connected for some

256
00:09:13,750 --> 00:09:10,399
reason does that hold up

257
00:09:15,350 --> 00:09:13,760
um or actually cancel uh birthing the

258
00:09:17,110 --> 00:09:15,360
pmm

259
00:09:18,550 --> 00:09:17,120
as to the type of connector i'm gonna

260
00:09:21,590 --> 00:09:18,560
have to get back to you on that i don't

261
00:09:23,829 --> 00:09:21,600
i don't have that in front of me

262
00:09:25,910 --> 00:09:23,839
as far as what do we do if we can't mate

263
00:09:28,310 --> 00:09:25,920

the j612 connector

264

00:09:29,350 --> 00:09:28,320

as far as the mission priorities are

265

00:09:33,030 --> 00:09:29,360

concerned

266

00:09:34,070 --> 00:09:33,040

birthing the pmm is is a top priority

267

00:09:35,990 --> 00:09:34,080

in fact

268

00:09:38,710 --> 00:09:36,000

of the the four prior main mission

269

00:09:41,590 --> 00:09:38,720

priorities we have docking shuttle

270

00:09:44,870 --> 00:09:41,600

getting elc-4 out on the

271

00:09:46,710 --> 00:09:44,880

s3 the next one is pmm birthing and then

272

00:09:48,150 --> 00:09:46,720

undocking the shuttle and the original

273

00:09:50,550 --> 00:09:48,160

plan that we had

274

00:09:52,790 --> 00:09:50,560

way back when was uh didn't include any

275

00:09:55,430 --> 00:09:52,800

evas at all so we were just taking the

276

00:09:57,190 --> 00:09:55,440

opportunity to to get this thing taken

277

00:09:58,150 --> 00:09:57,200

care of when we added some evas to this

278

00:10:00,070 --> 00:09:58,160

mission

279

00:10:01,590 --> 00:10:00,080

because it's hard to get to

280

00:10:03,430 --> 00:10:01,600

if for some reason we have issues i'm

281

00:10:05,910 --> 00:10:03,440

sure there'll be a lot of discussion but

282

00:10:07,430 --> 00:10:05,920

based on priorities uh we go ahead and

283

00:10:09,110 --> 00:10:07,440

put pmm up there

284

00:10:10,310 --> 00:10:09,120

uh get it installed on node one nader

285

00:10:14,389 --> 00:10:10,320

just because that's one of our top

286

00:10:20,550 --> 00:10:17,750

and just a follow-up um it is the um

287

00:10:22,790 --> 00:10:20,560

jax's message in the bottle eevee uh eva

288

00:10:24,949 --> 00:10:22,800

activity still planned for the cba yeah

289

00:10:26,550 --> 00:10:24,959

it will be uh its timeline is the last

290

00:10:29,509 --> 00:10:26,560

activity before the crew comes in the

291

00:10:29,519 --> 00:10:32,710

okay

292

00:10:36,230 --> 00:10:34,949

and she came with harvard journalism

293

00:10:38,550 --> 00:10:36,240

since all the vehicles from the

294

00:10:40,790 --> 00:10:38,560

international partners ersten um david

295

00:10:42,470 --> 00:10:40,800

can you give us your idea about what it

296

00:10:44,870 --> 00:10:42,480

means for the international cooperation

297

00:10:46,949 --> 00:10:44,880

that's going on in this mission

298

00:10:48,710 --> 00:10:46,959

yeah it's kind of interesting that uh

299

00:10:49,509 --> 00:10:48,720

everything kind of came together the way

300

00:10:50,870 --> 00:10:49,519

you know

301
00:10:53,350 --> 00:10:50,880
unfortunately the shuttle flight slip

302
00:10:55,509 --> 00:10:53,360
but it slipped

303
00:10:58,230 --> 00:10:55,519
enough to where we have atv from the

304
00:10:59,590 --> 00:10:58,240
europeans with htv from the japanese of

305
00:11:01,430 --> 00:10:59,600
course progress and soyuz from the

306
00:11:03,910 --> 00:11:01,440
russian team and now shuttle from the

307
00:11:05,750 --> 00:11:03,920
u.s team and it it sort of solidifies

308
00:11:07,750 --> 00:11:05,760
the international effort that we've uh

309
00:11:09,590 --> 00:11:07,760
all experienced over the last 10 plus

310
00:11:11,030 --> 00:11:09,600
years now on station so

311
00:11:13,670 --> 00:11:11,040
it's kind of exciting to have all these

312
00:11:15,030 --> 00:11:13,680
people involved at the same time

313
00:11:17,269 --> 00:11:15,040

it's a lot more work because there's a

314

00:11:20,230 --> 00:11:17,279

lot more people involved but it really

315

00:11:24,710 --> 00:11:20,240

uh highlights the international presence

316

00:11:27,110 --> 00:11:25,590

okay

317

00:11:28,630 --> 00:11:27,120

with that we'll take questions from

318

00:11:30,630 --> 00:11:28,640

reporters on the phone bridge i believe

319

00:11:33,910 --> 00:11:30,640

marcia dunn is up first

320

00:11:36,310 --> 00:11:33,920

yes hi um marcia done associated press

321

00:11:39,190 --> 00:11:36,320

will there be any um changes to

322

00:11:41,030 --> 00:11:39,200

tomorrow's space walk as a result of um

323

00:11:42,230 --> 00:11:41,040

steve bones late addition to the mission

324

00:11:44,710 --> 00:11:42,240

i'm just wondering if anything's being

325

00:11:46,870 --> 00:11:44,720

altered or left off

326

00:11:48,389 --> 00:11:46,880

no there are no changes to the timeline

327

00:11:51,910 --> 00:11:48,399

for tomorrow

328

00:11:54,870 --> 00:11:51,920

and uh two more questions um

329

00:11:56,790 --> 00:11:54,880

he's only been able to train for a month

330

00:11:57,910 --> 00:11:56,800

granted he's an experienced space walker

331

00:11:59,829 --> 00:11:57,920

but i'm just

332

00:12:02,710 --> 00:11:59,839

wondering if you anticipate him to be

333

00:12:04,629 --> 00:12:02,720

able to carry out everything

334

00:12:07,910 --> 00:12:04,639

as well as tim copper might have been

335

00:12:09,430 --> 00:12:07,920

able to do if he had been on board

336

00:12:11,350 --> 00:12:09,440

yeah as you mentioned

337

00:12:13,910 --> 00:12:11,360

steve steve brings a wealth of eva

338

00:12:16,790 --> 00:12:13,920

experience he's already had five evas a

339

00:12:19,670 --> 00:12:16,800

very seasoned shuttle astronaut um and

340

00:12:22,550 --> 00:12:19,680

he took he picked right up uh quickly in

341

00:12:25,829 --> 00:12:22,560

the nbl runs coming up to speed

342

00:12:27,670 --> 00:12:25,839

on the tasks that we have

343

00:12:30,069 --> 00:12:27,680

of course you know everybody's unique

344

00:12:31,990 --> 00:12:30,079

tim tim's unique guy and and of course

345

00:12:34,470 --> 00:12:32,000

we all miss him on board on the ground

346

00:12:36,790 --> 00:12:34,480

he's part of the eva team here still

347

00:12:39,110 --> 00:12:36,800

with us on the ground as i mentioned

348

00:12:41,110 --> 00:12:39,120

and uh steve steve will do just fine and

349

00:12:43,110 --> 00:12:41,120

we have absolutely every confidence that

350

00:12:45,110 --> 00:12:43,120

we'll knock off all these tasks and we

351

00:12:47,110 --> 00:12:45,120

have a nice list of get ahead tasks for

352

00:12:48,389 --> 00:12:47,120

eva one as well and and we're fairly

353

00:12:49,829 --> 00:12:48,399

confident we'll get through those as

354

00:12:52,470 --> 00:12:49,839

well

355

00:12:54,470 --> 00:12:52,480

thank you and my last question um as

356

00:12:55,910 --> 00:12:54,480

late as launch day the robonaut people

357

00:12:58,230 --> 00:12:55,920

have told me that they're not going to

358

00:13:00,470 --> 00:12:58,240

be able to unpack robonauts for at least

359

00:13:01,670 --> 00:13:00,480

a couple more months and you mentioned

360

00:13:03,350 --> 00:13:01,680

shaking hands and i didn't know if

361

00:13:05,190 --> 00:13:03,360

there's been a change of plans or will

362

00:13:07,750 --> 00:13:05,200

rob and i remain boxed up until after

363

00:13:08,790 --> 00:13:07,760

the long after the shuttle leaves

364

00:13:10,230 --> 00:13:08,800

yeah

365

00:13:11,990 --> 00:13:10,240

the the shaking hands is more of a

366

00:13:12,790 --> 00:13:12,000

figurative

367

00:13:14,629 --> 00:13:12,800

um

368

00:13:16,150 --> 00:13:14,639

as far as getting into robonaut yeah the

369

00:13:17,750 --> 00:13:16,160

stage plans it takes a lot of time

370

00:13:19,509 --> 00:13:17,760

there's a lot of packing with robonaut

371

00:13:21,350 --> 00:13:19,519

it's got a lot of sensitive equipment on

372

00:13:24,949 --> 00:13:21,360

it

373

00:13:26,389 --> 00:13:24,959

be unpacked

374

00:13:27,910 --> 00:13:26,399

for a little while i don't have the

375

00:13:29,670 --> 00:13:27,920

exact date

376

00:13:31,269 --> 00:13:29,680

but given the fact that we're going to

377

00:13:33,829 --> 00:13:31,279

get into

378

00:13:35,110 --> 00:13:33,839

the pmm on flight day six now we're

379

00:13:37,670 --> 00:13:35,120

going to start making headway at

380

00:13:40,629 --> 00:13:37,680

unpacking and uh you know we'll see how

381

00:13:45,509 --> 00:13:43,030

okay mark caro is up next

382

00:13:48,790 --> 00:13:45,519

uh yes mark perrault from for aviation

383

00:13:51,269 --> 00:13:48,800

weekend space technology and my question

384

00:13:52,710 --> 00:13:51,279

is looks ahead to the space walk and i

385

00:13:53,389 --> 00:13:52,720

think i just wanted to make sure i knew

386

00:13:57,350 --> 00:13:53,399

where

387

00:13:59,430 --> 00:13:57,360

esp2 the final resting place for the

388

00:14:01,189 --> 00:13:59,440

pump module is is that is it on the

389

00:14:04,389 --> 00:14:01,199

quest air lock and

390

00:14:05,189 --> 00:14:04,399

once the module or once the pump module

391

00:14:07,590 --> 00:14:05,199

is

392

00:14:09,590 --> 00:14:07,600

on esp-2 uh

393

00:14:11,430 --> 00:14:09,600

as the spacewalk progresses tomorrow

394

00:14:13,110 --> 00:14:11,440

does it need power and cooling and that

395

00:14:15,269 --> 00:14:13,120

sort of thing and will it receive it

396

00:14:16,870 --> 00:14:15,279

there

397

00:14:17,829 --> 00:14:16,880

uh yeah as far as

398

00:14:20,150 --> 00:14:17,839

the uh

399

00:14:22,230 --> 00:14:20,160

the pump module will go on esp2 uh that

400

00:14:23,189 --> 00:14:22,240

will be it's it's resting place until we

401

00:14:24,949 --> 00:14:23,199

uh

402

00:14:26,310 --> 00:14:24,959

can find a way to to bring it home to

403

00:14:27,750 --> 00:14:26,320

refurbish it

404

00:14:31,590 --> 00:14:27,760

um i'll have to get back to you on all

405

00:14:33,829 --> 00:14:31,600

the specifics of what resources it needs

406

00:14:35,189 --> 00:14:33,839

on esp2

407

00:14:37,509 --> 00:14:35,199

and

408

00:14:46,790 --> 00:14:37,519

i'll check on the exact location of esp2

409

00:14:51,829 --> 00:14:50,230

okay i think irene klotz is up next

410

00:14:53,590 --> 00:14:51,839

um thanks very much i have a couple

411

00:14:54,870 --> 00:14:53,600

questions um the first is do you know

412

00:14:56,310 --> 00:14:54,880

when um

413

00:14:58,550 --> 00:14:56,320

the

414

00:15:00,790 --> 00:14:58,560

hardware that dexter has been i guess

415

00:15:02,949 --> 00:15:00,800

hanging on to for about three three and

416

00:15:07,110 --> 00:15:02,959

a half weeks now is going to be moved on

417

00:15:11,590 --> 00:15:09,910

yeah we've as you know we uh

418

00:15:13,590 --> 00:15:11,600

when uh the

419

00:15:15,509 --> 00:15:13,600

htv came up we pulled a couple of items

420

00:15:19,189 --> 00:15:15,519

off of there some spares

421

00:15:20,389 --> 00:15:19,199

a ctc that's got some extra batteries

422

00:15:21,910 --> 00:15:20,399

and a

423

00:15:25,030 --> 00:15:21,920

fhrc

424

00:15:27,670 --> 00:15:25,040

and we put them on dexter

425

00:15:28,790 --> 00:15:27,680

we'll be moving those over to the uh the

426

00:15:30,870 --> 00:15:28,800

elc

427

00:15:33,990 --> 00:15:30,880

uh later i don't have an exact date for

428

00:15:35,269 --> 00:15:34,000

when we're going to put those on there

429

00:15:37,269 --> 00:15:35,279

do you know it's going to if it's going

430

00:15:38,870 --> 00:15:37,279

to be during discovery's

431

00:15:40,550 --> 00:15:38,880

stay there

432

00:15:44,870 --> 00:15:40,560

no

433

00:15:46,150 --> 00:15:44,880

hey i'm think

434

00:15:48,629 --> 00:15:46,160

yep

435

00:15:51,189 --> 00:15:48,639

do you know what's next for dexter

436

00:15:52,949 --> 00:15:51,199

operations

437

00:15:56,710 --> 00:15:52,959

did you say what is next for dexter

438

00:16:01,030 --> 00:15:58,870

yes

439

00:16:03,430 --> 00:16:01,040

i know we're going to

440

00:16:05,670 --> 00:16:03,440

reposition dexter

441

00:16:07,189 --> 00:16:05,680

for eva2

442

00:16:09,990 --> 00:16:07,199

beyond that

443

00:16:14,949 --> 00:16:11,910

as a holding point a temporary holding

444

00:16:16,790 --> 00:16:14,959

point for the the ctc and the fhrc

445

00:16:19,189 --> 00:16:16,800

uh beyond that we don't have any

446

00:16:23,430 --> 00:16:19,199

specific plans for dexter in the in the

447

00:16:26,389 --> 00:16:24,790

okay

448

00:16:33,590 --> 00:16:26,399

all right i believe uh last up on the

449

00:16:39,509 --> 00:16:36,790

todd are you still there

450

00:16:41,829 --> 00:16:39,519

okay i guess not and esp2 does reside on

451
00:16:43,590 --> 00:16:41,839
the quest airlock actually for mark if

452
00:16:45,829 --> 00:16:43,600
he's still listening out there

453
00:16:47,350 --> 00:16:45,839
okay any questions back here before we

454
00:16:50,870 --> 00:16:47,360
close

455
00:16:53,670 --> 00:16:50,880
programming notes

456
00:16:55,110 --> 00:16:53,680
at 1 43 p.m central time this afternoon

457
00:16:57,189 --> 00:16:55,120
a variety of crew members will be

458
00:16:59,269 --> 00:16:57,199
involved in the first of our in-flight

459
00:17:02,230 --> 00:16:59,279
media interview opportunities that will

460
00:17:05,189 --> 00:17:02,240
be with the weather channel wbz radio in

461
00:17:09,029 --> 00:17:05,199
boston wsb television in atlanta and

462
00:17:10,630 --> 00:17:09,039
wtvt television in tampa florida the

463
00:17:12,470 --> 00:17:10,640

mission management team briefing this

464

00:17:14,390 --> 00:17:12,480

afternoon with leroy kane who's the

465

00:17:16,549 --> 00:17:14,400

chair of the mmt and the deputy shuttle

466

00:17:19,590 --> 00:17:16,559

program manager will be broadcast here

467

00:17:22,309 --> 00:17:19,600

on nasa television at 3 p.m central time

468

00:17:24,069 --> 00:17:22,319

4 p.m eastern time today the crew is

469

00:17:26,789 --> 00:17:24,079

scheduled to begin its sleep period at 9

470

00:17:28,630 --> 00:17:26,799

23 pm central time right before the

471

00:17:31,270 --> 00:17:28,640

first airing of our daily flight day

472

00:17:33,350 --> 00:17:31,280

highlights at 10 pm central time those

473

00:17:35,750 --> 00:17:33,360

will be replayed every hour on the hour

474

00:17:39,830 --> 00:17:35,760

throughout the cruise sleep period and

475

00:17:41,510 --> 00:17:39,840

at 3 a.m monday morning the orbit 3 iss

476
00:17:43,510 --> 00:17:41,520
flight director chris edelen will be

477
00:17:46,230 --> 00:17:43,520
interviewed on console with an update on

478
00:17:48,950 --> 00:17:46,240
any replanting efforts and a preview of

479
00:17:51,909 --> 00:17:48,960
the spacewalk that's on tap for monday

480
00:17:54,549 --> 00:17:51,919
morning the crew gets awakened at 5 23

481
00:17:56,549 --> 00:17:54,559
am central time monday morning to

482
00:17:59,110 --> 00:17:56,559
complete preparations for that first

483
00:18:00,789 --> 00:17:59,120
spacewalk of the mission

484
00:18:02,390 --> 00:18:00,799
you can follow all of the events of

485
00:18:04,549 --> 00:18:02,400
discovery's flight to the international

486
00:18:07,590 --> 00:18:04,559
space station on our website at

487
00:18:12,789 --> 00:18:10,470
so stick around the mmt briefing at 3 pm

488
00:18:15,510 --> 00:18:12,799

central time this afternoon spacewalk

489

00:18:17,110 --> 00:18:15,520

number one on monday until then we'll go