



1
00:00:06,470 --> 00:00:04,710
good morning and welcome to today's

2
00:00:08,390 --> 00:00:06,480
mission management brief mission

3
00:00:10,310 --> 00:00:08,400
management team briefing here with us

4
00:00:12,390 --> 00:00:10,320
today we have leroy kane chairman of the

5
00:00:14,789 --> 00:00:12,400
mission management team to tell us about

6
00:00:17,349 --> 00:00:14,799
today's meeting we'll take some opening

7
00:00:19,590 --> 00:00:17,359
remarks and then have questions

8
00:00:21,670 --> 00:00:19,600
okay thank you brandi well good morning

9
00:00:24,150 --> 00:00:21,680
it is very nice to be with you here this

10
00:00:25,910 --> 00:00:24,160
morning as we wrap up

11
00:00:27,750 --> 00:00:25,920
the mission of atlantis i know that you

12
00:00:30,470 --> 00:00:27,760
had several briefers

13
00:00:32,229 --> 00:00:30,480

here in in recent days to talk about the

14

00:00:33,670 --> 00:00:32,239

docked mission and the successes of the

15

00:00:36,229 --> 00:00:33,680

doc mission i don't

16

00:00:37,670 --> 00:00:36,239

have too much to add to that

17

00:00:39,430 --> 00:00:37,680

except to say that

18

00:00:41,030 --> 00:00:39,440

we're extremely pleased of course with

19

00:00:42,630 --> 00:00:41,040

the accomplishments on the docked

20

00:00:45,350 --> 00:00:42,640

mission

21

00:00:46,389 --> 00:00:45,360

certainly uh achieved and and in fact uh

22

00:00:48,790 --> 00:00:46,399

exceeded

23

00:00:51,029 --> 00:00:48,800

our expectations as far as uh as far as

24

00:00:53,270 --> 00:00:51,039

the objectives and the goals that we had

25

00:00:54,869 --> 00:00:53,280

for uh for this mission so

26

00:00:56,470 --> 00:00:54,879

we're uh we're very very happy about

27

00:00:59,189 --> 00:00:56,480

that um

28

00:01:01,189 --> 00:00:59,199

as far as the shuttle uh the atlantis uh

29

00:01:02,229 --> 00:01:01,199

is uh performing uh

30

00:01:04,469 --> 00:01:02,239

quite well

31

00:01:05,990 --> 00:01:04,479

the the team is in the midst of

32

00:01:08,310 --> 00:01:06,000

preparing the vehicle

33

00:01:11,109 --> 00:01:08,320

and the system's uh reconfiguring from

34

00:01:13,990 --> 00:01:11,119

an on-orbit uh orbiting spacecraft to

35

00:01:15,670 --> 00:01:14,000

get it ready for entry and landing

36

00:01:17,510 --> 00:01:15,680

as early as wednesday

37

00:01:19,190 --> 00:01:17,520

and so today in the mission management

38

00:01:20,469 --> 00:01:19,200

team we reviewed the status of the

39

00:01:21,830 --> 00:01:20,479

systems

40

00:01:24,390 --> 00:01:21,840

and

41

00:01:26,550 --> 00:01:24,400

we are working any new issues or have

42

00:01:27,350 --> 00:01:26,560

any new problems or anomalies

43

00:01:29,270 --> 00:01:27,360

and

44

00:01:31,830 --> 00:01:29,280

atlantis is just in great shape the crew

45

00:01:33,429 --> 00:01:31,840

on orbit is doing very well

46

00:01:35,190 --> 00:01:33,439

they completed the

47

00:01:36,710 --> 00:01:35,200

our final inspection that's where the

48

00:01:38,469 --> 00:01:36,720

crew

49

00:01:41,429 --> 00:01:38,479

does a final inspection of the heat

50

00:01:42,310 --> 00:01:41,439

shield of the vehicle and so the team

51
00:01:44,789 --> 00:01:42,320
will

52
00:01:47,670 --> 00:01:44,799
analyze that data in the next

53
00:01:49,109 --> 00:01:47,680
18 24 hours here and then we'll discuss

54
00:01:50,550 --> 00:01:49,119
the results of that

55
00:01:53,270 --> 00:01:50,560
probably as early as the mission

56
00:01:54,950 --> 00:01:53,280
management team tomorrow morning

57
00:01:56,789 --> 00:01:54,960
so we aren't working any issues we're

58
00:01:59,030 --> 00:01:56,799
extremely pleased with uh with how the

59
00:02:01,190 --> 00:01:59,040
mission is going overall it's been an

60
00:02:04,230 --> 00:02:01,200
outstanding effort again

61
00:02:06,389 --> 00:02:04,240
by this uh very expansive integrated

62
00:02:08,150 --> 00:02:06,399
team uh to include the folks on the

63
00:02:10,150 --> 00:02:08,160

ground as well as crew on orbit and all

64

00:02:13,030 --> 00:02:10,160

the team around the world that helps us

65

00:02:15,670 --> 00:02:13,040

pull off these docked missions so

66

00:02:17,990 --> 00:02:15,680

we're back now very focused again on

67

00:02:19,430 --> 00:02:18,000

getting atlantis back home safely with

68

00:02:20,390 --> 00:02:19,440

the atlanta's crew

69

00:02:22,390 --> 00:02:20,400

and

70

00:02:25,030 --> 00:02:22,400

the team is uh as well on their way to

71

00:02:26,710 --> 00:02:25,040

doing that as we left the briefing today

72

00:02:28,550 --> 00:02:26,720

so with that i would be happy to take

73

00:02:30,150 --> 00:02:28,560

any questions

74

00:02:31,270 --> 00:02:30,160

okay we'll start with questions here in

75

00:02:33,110 --> 00:02:31,280

the room

76

00:02:34,390 --> 00:02:33,120

if there are any and then we have

77

00:02:36,229 --> 00:02:34,400

bumbridge just take your name and

78

00:02:39,190 --> 00:02:36,239

affiliation first please hi robert

79

00:02:40,869 --> 00:02:39,200

perlman with collectspace.com um

80

00:02:42,630 --> 00:02:40,879

knowing that you haven't had a chance to

81

00:02:44,470 --> 00:02:42,640

review the data from the late inspection

82

00:02:46,309 --> 00:02:44,480

yet but

83

00:02:47,990 --> 00:02:46,319

assuming that it all comes back clean

84

00:02:49,350 --> 00:02:48,000

and if you can

85

00:02:51,110 --> 00:02:49,360

compare

86

00:02:52,390 --> 00:02:51,120

would you say this has been the cleanest

87

00:02:53,190 --> 00:02:52,400

flight for

88

00:02:55,509 --> 00:02:53,200

um

89

00:02:57,509 --> 00:02:55,519

atlantis or for the shuttle program or

90

00:02:59,110 --> 00:02:57,519

as one of the cleanest flights it seems

91

00:03:00,869 --> 00:02:59,120

that there were very minor problems if

92

00:03:02,949 --> 00:03:00,879

there were any

93

00:03:04,470 --> 00:03:02,959

yeah that's fair fair characterization

94

00:03:07,110 --> 00:03:04,480

it's certainly

95

00:03:08,949 --> 00:03:07,120

you know cleanest that's hard to make

96

00:03:10,790 --> 00:03:08,959

that

97

00:03:13,030 --> 00:03:10,800

assessment at least until we get the

98

00:03:15,110 --> 00:03:13,040

vehicle on the ground

99

00:03:17,110 --> 00:03:15,120

but certainly it is in the family of the

100

00:03:20,309 --> 00:03:17,120

the cleanest

101
00:03:22,550 --> 00:03:20,319
best performing orbiters that we've had

102
00:03:25,270 --> 00:03:22,560
in the past uh you know six eight

103
00:03:27,110 --> 00:03:25,280
missions and we've had several

104
00:03:29,110 --> 00:03:27,120
um to include all of the missions in the

105
00:03:31,190 --> 00:03:29,120
last 12 months

106
00:03:32,789 --> 00:03:31,200
where the the vehicle performance has

107
00:03:34,789 --> 00:03:32,799
just been outstanding

108
00:03:37,190 --> 00:03:34,799
and as far as clean in terms of the of

109
00:03:38,789 --> 00:03:37,200
the the heat shield and all the

110
00:03:41,350 --> 00:03:38,799
thermal protection system

111
00:03:43,990 --> 00:03:41,360
we've enjoyed

112
00:03:45,509 --> 00:03:44,000
overwhelmingly excellent performance in

113
00:03:47,110 --> 00:03:45,519

all of the flight elements to include

114

00:03:48,309 --> 00:03:47,120

the external tank

115

00:03:49,830 --> 00:03:48,319

and of course

116

00:03:52,309 --> 00:03:49,840

those things

117

00:03:54,149 --> 00:03:52,319

help a lot with respect to

118

00:03:55,589 --> 00:03:54,159

us being able to

119

00:03:57,830 --> 00:03:55,599

to fly

120

00:03:59,110 --> 00:03:57,840

these very complicated dock missions

121

00:04:01,990 --> 00:03:59,120

when we have to worry less about the

122

00:04:03,589 --> 00:04:02,000

vehicle on orbit and and in the systems

123

00:04:05,429 --> 00:04:03,599

issues associated with anything like

124

00:04:07,429 --> 00:04:05,439

that so

125

00:04:09,030 --> 00:04:07,439

certainly in the family of of the

126

00:04:10,869 --> 00:04:09,040

cleanest

127

00:04:13,509 --> 00:04:10,879

that's about the most i can say about it

128

00:04:15,190 --> 00:04:13,519

until we get her back on the ground

129

00:04:17,189 --> 00:04:15,200

thank you and

130

00:04:19,830 --> 00:04:17,199

assuming that you're going out to

131

00:04:20,870 --> 00:04:19,840

florida to watch atlantis land

132

00:04:22,950 --> 00:04:20,880

or to see

133

00:04:24,310 --> 00:04:22,960

the crew after after they're back on the

134

00:04:25,830 --> 00:04:24,320

ground

135

00:04:27,749 --> 00:04:25,840

we'll watching

136

00:04:29,030 --> 00:04:27,759

because this might be the last flight of

137

00:04:32,070 --> 00:04:29,040

atlantis do you

138

00:04:34,870 --> 00:04:32,080

will you be do you think you'll assign a

139

00:04:35,909 --> 00:04:34,880

an extra significance to the touchdown

140

00:04:40,790 --> 00:04:35,919

and to

141

00:04:44,950 --> 00:04:42,950

i i assume yeah you're asking about me

142

00:04:46,469 --> 00:04:44,960

personally i would have to say probably

143

00:04:49,590 --> 00:04:46,479

not um

144

00:04:51,990 --> 00:04:49,600

quite frankly every landing is is pretty

145

00:04:53,749 --> 00:04:52,000

majestic every landing is pretty special

146

00:04:56,629 --> 00:04:53,759

all by itself

147

00:04:58,150 --> 00:04:56,639

um first last second middle

148

00:05:00,310 --> 00:04:58,160

um

149

00:05:02,629 --> 00:05:00,320

it's uh we're very focused on getting

150

00:05:03,830 --> 00:05:02,639

atlantis and the crew back safely uh

151

00:05:06,230 --> 00:05:03,840

once we do

152

00:05:07,990 --> 00:05:06,240

um at some point here we'll

153

00:05:09,430 --> 00:05:08,000

we'll know at some point in our future

154

00:05:11,909 --> 00:05:09,440

whether or not this is the last flight

155

00:05:13,590 --> 00:05:11,919

of atlantis

156

00:05:15,670 --> 00:05:13,600

i'll know that for sure when when

157

00:05:17,430 --> 00:05:15,680

atlanta shows up in a museum somewhere

158

00:05:19,830 --> 00:05:17,440

until then

159

00:05:23,029 --> 00:05:19,840

we're just focused on this mission and

160

00:05:25,990 --> 00:05:24,390

okay i think that was the last question

161

00:05:38,710 --> 00:05:26,000

here in the room we'll go now to the

162

00:05:41,990 --> 00:05:41,029

okay uh let's go instead first to marcia

163

00:05:43,830 --> 00:05:42,000

dunn

164

00:05:46,150 --> 00:05:43,840

can you hear me yes

165

00:05:48,230 --> 00:05:46,160

um speaking of taking them one at a time

166

00:05:50,070 --> 00:05:48,240

there are two on the books left leroy

167

00:05:52,629 --> 00:05:50,080

and could you just sort of give a status

168

00:05:54,469 --> 00:05:52,639

update on where they stand not just

169

00:05:57,110 --> 00:05:54,479

regarding shuttle processing but

170

00:06:00,469 --> 00:05:57,990

sure

171

00:06:02,790 --> 00:06:00,479

sts-133

172

00:06:04,870 --> 00:06:02,800

currently we have a target launch date

173

00:06:07,110 --> 00:06:04,880

of september 16th that's on

174

00:06:08,950 --> 00:06:07,120

ov-103 discovery

175

00:06:11,270 --> 00:06:08,960

and the processing is going extremely

176
00:06:13,510 --> 00:06:11,280
well the vehicle preparation is is

177
00:06:15,350 --> 00:06:13,520
coming along nicely

178
00:06:16,710 --> 00:06:15,360
we have some challenges with respect to

179
00:06:19,189 --> 00:06:16,720
the payloads

180
00:06:20,629 --> 00:06:19,199
and payload integration

181
00:06:23,189 --> 00:06:20,639
however

182
00:06:25,350 --> 00:06:23,199
we don't have any any firm dates we're

183
00:06:27,029 --> 00:06:25,360
still in in the midst of evaluating the

184
00:06:29,270 --> 00:06:27,039
overall manifest for the payload and the

185
00:06:32,469 --> 00:06:29,280
cargo element

186
00:06:35,029 --> 00:06:32,479
what we have said marsha is that

187
00:06:36,150 --> 00:06:35,039
within a week or two after wheel stop of

188
00:06:38,469 --> 00:06:36,160

atlantis

189

00:06:41,510 --> 00:06:38,479
on this current mission

190

00:06:45,189 --> 00:06:41,520
we'll do another uh full evaluation of

191

00:06:47,350 --> 00:06:45,199
the of the manifest for sts-133

192

00:06:49,350 --> 00:06:47,360
and sds-134

193

00:06:51,510 --> 00:06:49,360
ams mission

194

00:06:53,270 --> 00:06:51,520
and uh and just evaluate where we are

195

00:06:55,189 --> 00:06:53,280
with respect to the

196

00:06:56,950 --> 00:06:55,199
the the training the vehicle processing

197

00:06:58,710 --> 00:06:56,960
the cargo integration

198

00:07:00,870 --> 00:06:58,720
and all of the

199

00:07:02,710 --> 00:07:00,880
aspects that play into our manifest

200

00:07:05,830 --> 00:07:02,720
decision so we're currently still

201
00:07:08,309 --> 00:07:05,840
targeting september 16th

202
00:07:09,990 --> 00:07:08,319
and we'll evaluate that again here in a

203
00:07:11,909 --> 00:07:10,000
couple of weeks

204
00:07:15,350 --> 00:07:11,919
thank you that's it for me

205
00:07:17,749 --> 00:07:15,360
okay let's go next to irene klotz

206
00:07:20,309 --> 00:07:17,759
thanks hailey right um i was just

207
00:07:24,950 --> 00:07:20,319
wondering if uh there's been any changes

208
00:07:27,350 --> 00:07:24,960
in plans with the swap of 133 and 134

209
00:07:31,670 --> 00:07:27,360
about leaving the um the orbiter boom

210
00:07:36,550 --> 00:07:33,350
uh no we haven't really changed our

211
00:07:38,390 --> 00:07:36,560
plans um it'll still be uh you know the

212
00:07:40,469 --> 00:07:38,400
last mission or the last planned mission

213
00:07:42,070 --> 00:07:40,479

that we intend to do that so

214

00:07:44,390 --> 00:07:42,080

uh we're we're still pretty much on

215

00:07:46,950 --> 00:07:44,400

target with that plan

216

00:07:50,469 --> 00:07:47,749

okay

217

00:07:52,070 --> 00:07:50,479

next up tarik mali

218

00:07:54,950 --> 00:07:52,080

thank you very much it's uh tariq malik

219

00:07:57,749 --> 00:07:54,960

from space.com and leroy and uh forgive

220

00:08:00,150 --> 00:07:57,759

me if you uh suggested this earlier um

221

00:08:02,950 --> 00:08:00,160

you're you're mentioning i guess the

222

00:08:04,790 --> 00:08:02,960

the work to be done on atlantis after uh

223

00:08:06,070 --> 00:08:04,800

we'll stop and landing i'm just kind of

224

00:08:08,629 --> 00:08:06,080

curious um

225

00:08:12,070 --> 00:08:08,639

how uh how late into june

226
00:08:14,469 --> 00:08:12,080
you can go without word um of any extra

227
00:08:17,830 --> 00:08:14,479
flights and still keep it on the books

228
00:08:20,150 --> 00:08:17,840
for for that that contingency or if um

229
00:08:23,589 --> 00:08:20,160
if you have to wait until all the way to

230
00:08:27,110 --> 00:08:25,189
well we can go

231
00:08:28,869 --> 00:08:27,120
quite a good long ways actually with

232
00:08:30,790 --> 00:08:28,879
atlantis

233
00:08:32,149 --> 00:08:30,800
before we need a decision

234
00:08:33,670 --> 00:08:32,159
relative to whether or not atlantis is

235
00:08:35,029 --> 00:08:33,680
going to fly again

236
00:08:37,990 --> 00:08:35,039
as a planned

237
00:08:39,750 --> 00:08:38,000
mission to be which would be sts-135 as

238
00:08:42,709 --> 00:08:39,760

opposed to

239

00:08:45,670 --> 00:08:42,719

the lon vehicle and the lon mission

240

00:08:47,150 --> 00:08:45,680

currently planned as 335

241

00:08:49,750 --> 00:08:47,160

to be the yellow end for the mission

242

00:08:51,269 --> 00:08:49,760

sts-134 so

243

00:08:53,350 --> 00:08:51,279

we can go a good long ways from a

244

00:08:54,710 --> 00:08:53,360

vehicle processing vehicle preparation

245

00:08:56,870 --> 00:08:54,720

cargo element

246

00:08:59,190 --> 00:08:56,880

standpoint

247

00:09:00,710 --> 00:08:59,200

we do need to

248

00:09:03,590 --> 00:09:00,720

before we get too much further along

249

00:09:05,509 --> 00:09:03,600

here and too far into the summer

250

00:09:08,150 --> 00:09:05,519

with respect to the other

251
00:09:09,430 --> 00:09:08,160
aspects of mission preparation to

252
00:09:11,030 --> 00:09:09,440
include crew training and flight

253
00:09:12,630 --> 00:09:11,040
controller training and

254
00:09:14,870 --> 00:09:12,640
and mission design

255
00:09:15,910 --> 00:09:14,880
software loads things of that nature

256
00:09:18,870 --> 00:09:15,920
um

257
00:09:21,670 --> 00:09:18,880
we will make a decision relative uh to

258
00:09:23,190 --> 00:09:21,680
the to the mission whether it be

259
00:09:26,310 --> 00:09:23,200
the yellow and planned

260
00:09:27,430 --> 00:09:26,320
or or a planned mission sts-135

261
00:09:29,509 --> 00:09:27,440
um

262
00:09:31,190 --> 00:09:29,519
somewhere in in the june july time frame

263
00:09:33,350 --> 00:09:31,200

is is really when we would like to be

264

00:09:38,949 --> 00:09:33,360

able to do that to support all of those

265

00:09:42,150 --> 00:09:40,070

thanks and i guess just a quick

266

00:09:43,990 --> 00:09:42,160

follow-up because i think in the past uh

267

00:09:45,829 --> 00:09:44,000

bill and and you had mentioned that june

268

00:09:48,150 --> 00:09:45,839

was the time uh i guess how deep into

269

00:09:52,070 --> 00:09:48,160

july would you be able to go then before

270

00:09:54,710 --> 00:09:52,080

um i guess hitting that benchmark thanks

271

00:09:56,230 --> 00:09:54,720

it's it's kind of hard to say um as i

272

00:09:58,230 --> 00:09:56,240

said we'll uh

273

00:10:01,030 --> 00:09:58,240

we'll look here in a couple of weeks

274

00:10:03,030 --> 00:10:01,040

at our plan for sts-133

275

00:10:04,470 --> 00:10:03,040

first and foremost that's uh that's on

276

00:10:07,269 --> 00:10:04,480

our plate next

277

00:10:10,150 --> 00:10:07,279

once we get atlantis home safely

278

00:10:11,509 --> 00:10:10,160

and that'll be in a week or two here

279

00:10:14,630 --> 00:10:11,519

and we'll take things kind of in

280

00:10:16,550 --> 00:10:14,640

priority order after that

281

00:10:17,350 --> 00:10:16,560

it depends a little bit on what happens

282

00:10:22,550 --> 00:10:17,360

with

283

00:10:24,630 --> 00:10:22,560

and 134

284

00:10:27,190 --> 00:10:24,640

in terms of the effect that it has on on

285

00:10:30,069 --> 00:10:27,200

anything that would become 135

286

00:10:33,110 --> 00:10:30,079

as opposed to 335 so

287

00:10:35,350 --> 00:10:33,120

we're still trying to um

288

00:10:36,949 --> 00:10:35,360

we still have a goal to to kind of have

289

00:10:38,630 --> 00:10:36,959

most of that laid out

290

00:10:42,069 --> 00:10:38,640

and and firmed up a little bit more by

291

00:10:44,150 --> 00:10:42,079

the end of the month of june um

292

00:10:45,110 --> 00:10:44,160

but as i said if we go a little bit into

293

00:10:46,870 --> 00:10:45,120

july

294

00:10:49,590 --> 00:10:46,880

of course i believe that's uh that's

295

00:10:51,190 --> 00:10:49,600

supportable as well

296

00:10:53,269 --> 00:10:51,200

thank you

297

00:10:54,630 --> 00:10:53,279

okay let's try one more time with bill

298

00:10:56,389 --> 00:10:54,640

hartwood

299

00:10:57,350 --> 00:10:56,399

hey thanks very much and leroy i don't

300

00:10:59,269 --> 00:10:57,360

have any questions you guys already

301
00:11:01,110 --> 00:10:59,279
answered it thanks

302
00:11:02,230 --> 00:11:01,120
okay i don't see any additional

303
00:11:03,990 --> 00:11:02,240
questions here in the room so i think

304
00:11:06,470 --> 00:11:04,000
that wraps up our briefing we'll go back

305
00:11:08,150 --> 00:11:06,480
now to live mission coverage the crew

306
00:11:09,750 --> 00:11:08,160
has wrapped up most of their tasks for

307
00:11:11,750 --> 00:11:09,760
the day so they'll be going to sleep at

308
00:11:13,829 --> 00:11:11,760
3 20 p.m central time

309
00:11:15,990 --> 00:11:13,839
we'll then begin playing flight day 11

310
00:11:17,269 --> 00:11:16,000
highlights at 4 p.m and at the top of

311
00:11:20,710 --> 00:11:17,279
every hour until the crew gets their

312
00:11:22,550 --> 00:11:20,720
wake-up call at 11 20 p.m tonight

313
00:11:24,389 --> 00:11:22,560

and then they'll begin tomorrow's a

314

00:11:26,470 --> 00:11:24,399

flight control systems checkout day you

315

00:11:28,949 --> 00:11:26,480

can keep up with all of that online at