



1
00:00:54,860 --> 00:00:52,520
okay for the flight control team right

2
00:00:57,920 --> 00:00:54,870
now we're looking like we're about

3
00:00:59,780 --> 00:00:57,930
thirty minutes away from docking anyone

4
00:01:02,900 --> 00:00:59,790
tracking any issues that we haven't

5
00:01:16,679 --> 00:01:02,910
already talked about to her anything

6
00:03:55,449 --> 00:01:19,630
okay hearing none we'll keep pressing

7
00:03:59,319 --> 00:03:58,569
at a time down to will give you play you

8
00:04:01,630 --> 00:03:59,329
for calm down

9
00:04:17,620 --> 00:04:01,640
like we're go with that but we'll take

10
00:04:25,840 --> 00:04:23,320
PBS fine go ahead but yeah just

11
00:04:29,860 --> 00:04:25,850
something for you stick in your to do

12
00:04:32,740 --> 00:04:29,870
list given the number of random pieces

13
00:04:35,590 --> 00:04:32,750

of equipment that haven't responded to

14

00:04:37,270 --> 00:04:35,600

switches or commands when we've sent

15

00:04:40,150 --> 00:04:37,280

them today I'm starting to suspect maybe

16

00:04:43,030 --> 00:04:40,160

we might have some other data systems

17

00:04:45,580 --> 00:04:43,040

issues here that it might be in common

18

00:04:48,100 --> 00:04:45,590

causes some of our things I don't want

19

00:04:50,320 --> 00:04:48,110

to mess with it right now but if you

20

00:04:53,050 --> 00:04:50,330

guys aren't already thinking about that

21

00:04:55,570 --> 00:04:53,060

and investigating it just put that on

22

00:04:56,980 --> 00:04:55,580

your list copy 5 and actually we were

23

00:04:59,560 --> 00:04:56,990

just talking about that it's looking

24

00:05:01,060 --> 00:04:59,570

like the GNC owns Kimball and Max's bent

25

00:05:06,550 --> 00:05:01,070

door commands can both be traced back to

26
00:05:08,050 --> 00:05:06,560
the same garden channel on FF 4 SS 4 you

27
00:05:09,870 --> 00:05:08,060
are not paranoid if they really are

28
00:05:13,060 --> 00:05:09,880
after you okay

29
00:05:15,130 --> 00:05:13,070
and Primax we we concur with what DBS

30
00:05:18,460 --> 00:05:15,140
saying that it looks I'm no longer

31
00:05:20,170 --> 00:05:18,470
suspecting AC to mid 4 yeah it looks to

32
00:05:21,460 --> 00:05:20,180
me like it's a commanding problem well

33
00:05:23,320 --> 00:05:21,470
the thing that tipped me off was when we

34
00:05:27,670 --> 00:05:23,330
found that breaker very nicely grossed

35
00:05:29,440 --> 00:05:27,680
and comfortable okay so I'm no longer

36
00:05:32,410 --> 00:05:29,450
apeal us for pillow be doors but I'm

37
00:05:35,860 --> 00:05:32,420
still CSS for getting that vent door

38
00:05:38,650 --> 00:05:35,870

closed okay week and we can talk about a

39

00:05:41,890 --> 00:05:38,660

little bit more post doc copy and concur

40

00:05:44,560 --> 00:05:41,900

in flight unity gene see wait was this

41

00:05:46,270 --> 00:05:44,570

confirming cue that it could be the FF

42

00:05:51,700 --> 00:05:46,280

that would take us out of the potential

43

00:05:55,300 --> 00:05:51,710

pls huh okay well we said so that we can

44

00:05:56,140 --> 00:05:55,310

investigate further okay good it sounds

45

00:06:28,450 --> 00:05:56,150

like you guys were already talking about

46

00:09:51,140 --> 00:06:33,010

why thank you go ahead tu is in combo'd

47

00:09:51,150 --> 00:10:43,160

sigh rendezvous 100 feet copy

48

00:10:48,620 --> 00:10:46,850

flight max good we still haven't seen

49

00:11:16,710 --> 00:10:48,630

any docking prep so I'd like to call the

50

00:11:28,730 --> 00:11:18,900

Atlantis Eastern integrand - we are

51
00:11:34,080 --> 00:11:31,920
I'm the docking system accomplished

52
00:11:35,000 --> 00:11:34,090
button everything else is prepared the

53
00:11:39,290 --> 00:11:35,010
lights on

54
00:11:42,600 --> 00:11:39,300
max copies ah very good thank you

55
00:11:45,660 --> 00:11:42,610
okay something we can't see we got a

56
00:11:47,640 --> 00:11:45,670
puncture problem man I took the careers

57
00:11:48,810 --> 00:11:47,650
called me that she will take on powerful

58
00:11:50,610 --> 00:11:48,820
that through the power on push-button

59
00:11:56,250 --> 00:11:50,620
okay and she just got it

60
00:12:18,780 --> 00:11:56,260
alright good config for fight for a

61
00:12:31,389 --> 00:12:20,980
like June see we have secured some

62
00:12:37,689 --> 00:12:31,399
movement phimax we see damping failed on

63
00:12:41,919 --> 00:12:37,699

renault go for docking and cabbie what

64

00:12:43,509 --> 00:12:41,929

do we need to do and by climax with the

65

00:12:45,850 --> 00:12:43,519

capture light failed on we need to have

66

00:12:50,470 --> 00:12:45,860

them over on 8 - 17 capture light failed

67

00:12:53,499 --> 00:12:50,480

on all right capture light settled on on

68

00:13:09,850 --> 00:12:53,509

page 8 - 17 in flight rendezvous I still

69

00:13:12,009 --> 00:13:09,860

recommend that's a good plan that's the

70

00:13:15,669 --> 00:13:12,019

plan we want where we are sandy please

71

00:13:22,619 --> 00:13:15,679

do that in front of it it's gonna say I

72

00:13:37,329 --> 00:13:34,809

Elmen one minute and over and flight max

73

00:13:39,460 --> 00:13:37,339

we see the PSU power main a and main be

74

00:14:47,139 --> 00:13:39,470

off per the capture light so long

75

00:14:47,149 --> 00:15:29,650

handing over

76

00:15:29,660 --> 00:17:07,530

Kafka man 171

77

00:17:14,910 --> 00:17:13,470

okay thanks what's our steps climax the

78

00:17:18,290 --> 00:17:14,920

crew has completed all the actions and

79

00:17:21,630 --> 00:17:18,300

the capture light failed on once we get

80

00:17:24,720 --> 00:17:21,640

contact and over on the docking sequence

81

00:17:29,160 --> 00:17:24,730

cue card the crew will take pea soup our

82

00:17:31,200 --> 00:17:29,170

main a and main be back on per the post

83

00:17:33,990 --> 00:17:31,210

capture items and they capture Lacher

84

00:17:36,210 --> 00:17:34,000

Silvan okay and there should be no

85

00:17:38,490 --> 00:17:36,220

additional deltas for the docking

86

00:17:40,260 --> 00:17:38,500

sequence cue card okay very good so your

87

00:18:08,070 --> 00:17:40,270

go to press with that plan a firmness

88

00:18:13,770 --> 00:18:11,490

let's use another big loop EPDs is in a

89

00:18:17,040 --> 00:18:13,780

good config for docking so no liens

90

00:18:18,840 --> 00:18:17,050

against that sandy you see that there

91

00:18:20,130 --> 00:18:18,850

are post capture steps and the capture

92

00:18:21,350 --> 00:18:20,140

light sailed on we'll leave that up to

93

00:18:35,400 --> 00:18:21,360

you

94

00:18:48,480 --> 00:18:38,850

if I guess conversation I understand

95

00:18:50,880 --> 00:18:48,490

that a firm active exactly just

96

00:18:58,850 --> 00:18:50,890

refraining that we all make sure to cut

97

00:19:04,950 --> 00:19:02,520

and Houston Atlantis on the big loop we

98

00:19:10,970 --> 00:19:04,960

don't feel out required so we're ready

99

00:19:17,190 --> 00:19:13,290

okay yeah Barney do

100

00:19:21,380 --> 00:19:17,200

Ginty are you pressing rendezvous go with

101

00:19:25,400 --> 00:19:21,390

Max's go June cisco max's go let's do it

102

00:19:30,320 --> 00:19:25,410

houston shuttle fighters go for that

103

00:19:36,350 --> 00:19:34,830

wychinski go ahead what I'm hearing ADCO

104

00:19:41,310 --> 00:19:36,360

needs us to do a flyout

105

00:19:42,810 --> 00:19:41,320

ADCO needs are still fly out looks like

106

00:19:49,669 --> 00:19:42,820

Ronnie I can't comment on that the crew

107

00:20:26,820 --> 00:19:51,140

and crews flying off the centerline

108

00:20:26,830 --> 00:20:32,590

if I rendezvous

109

00:20:44,780 --> 00:20:35,750

HMN Houston Atlantis on the big look we

110

00:20:46,210 --> 00:20:44,790

are initiating final approach Eastern

111

00:20:48,680 --> 00:20:46,220

Cathy's sarangdo

112

00:20:50,180 --> 00:20:48,690

okay let's ask the crew to hold we're

113

00:20:51,590 --> 00:20:50,190

assessing some attitude errors in the

114

00:20:53,540 --> 00:20:51,600

ISS side hold the approach please

115

00:20:55,250 --> 00:20:53,550

Atlantis Houston on the big loop we

116

00:20:58,400 --> 00:20:55,260

would like you to hold and continue the

117

00:21:00,290 --> 00:20:58,410

30-foot hold sorry for the change at 30

118

00:21:08,750 --> 00:21:00,300

feet the crew slides out to one degree

119

00:21:55,560 --> 00:21:08,760

as they further in and that's a firm

120

00:21:59,760 --> 00:21:57,030

and let's just say you know we're

121

00:22:11,760 --> 00:21:59,770

assessing fly-out considerations here to

122

00:22:19,330 --> 00:22:15,160

okay for the team and for the crew the

123

00:22:21,130 --> 00:22:19,340

ISS team believes that their attitude

124

00:22:23,230 --> 00:22:21,140

determination sensor on the Russian side

125

00:22:25,780 --> 00:22:23,240

is biased and the ISS is actually out of

126
00:22:28,330 --> 00:22:25,790
attitude by about two degrees they're

127
00:22:30,070 --> 00:22:28,340
going to have the Russian switch censors

128
00:22:31,150 --> 00:22:30,080
and snap back into attitude and then

129
00:22:39,410 --> 00:22:31,160
we'll give them a go to press I think

130
00:22:44,250 --> 00:22:43,290
inflight rendezvous run if it not trying

131
00:22:45,780 --> 00:22:44,260
to muddy the water but if they're

132
00:22:48,900 --> 00:22:45,790
holding attitude we can push in with a

133
00:22:50,280 --> 00:22:48,910
two degree offset if if they move those

134
00:22:52,470 --> 00:22:50,290
two degrees then the crew probably will

135
00:22:53,940 --> 00:22:52,480
have a flange serration flight or

136
00:22:55,620 --> 00:22:53,950
shuttle flight station flight data to

137
00:22:57,060 --> 00:22:55,630
dare is growing so we're working on two

138
00:22:58,650 --> 00:22:57,070

degrees now us growing so yeah that's

139

00:23:00,720 --> 00:22:58,660

yes we're coordinating with uh with

140

00:23:02,460 --> 00:23:00,730

Moscow to get it corrected and we'll get

141

00:23:04,140 --> 00:23:02,470

back an attitude then give you a call

142

00:23:06,180 --> 00:23:04,150

okay you guys you guys should probably

143

00:23:08,820 --> 00:23:06,190

let both spacecraft know the situation

144

00:23:23,900 --> 00:23:08,830

on the on the big loop so that the crews

145

00:23:28,920 --> 00:23:27,420

Lanice for the fly out looks like at 30

146

00:23:31,110 --> 00:23:28,930

feet we didn't see a house laughs but

147

00:23:32,670 --> 00:23:31,120

now it's progressed that we doing look

148

00:23:37,050 --> 00:23:32,680

like we have a little bit of right wing

149

00:23:42,930 --> 00:23:37,060

down for about two degrees we'll take

150

00:23:45,690 --> 00:23:42,940

this one okay Alexa we copy that we want

151
00:23:49,230 --> 00:23:45,700
to let you know that right now we are

152
00:23:51,690 --> 00:23:49,240
switching the Russian rate and attitude

153
00:23:57,590 --> 00:23:51,700
source and when we are complete with

154
00:23:57,600 --> 00:24:01,440
okay we copy

155
00:24:06,340 --> 00:24:03,490
airline excuses for the shuttle side

156
00:24:08,020 --> 00:24:06,350
just to add to those good words the

157
00:24:10,750 --> 00:24:08,030
station is slightly out of attitude and

158
00:24:12,490 --> 00:24:10,760
that is growing we're doing some work on

159
00:24:13,270 --> 00:24:12,500
station to fix that so if you keep

160
00:24:15,280 --> 00:24:13,280
holding right there

161
00:24:16,930 --> 00:24:15,290
we'll get stationed back to the right

162
00:24:21,010 --> 00:24:16,940
attitude attitude holder then we'll give

163
00:24:23,110 --> 00:24:21,020

you a go to go on in okay we cap the

164

00:24:24,520 --> 00:24:23,120

series let us know when we need to sue

165

00:24:26,110 --> 00:24:24,530

another flag dissemination and just to

166

00:24:27,940 --> 00:24:26,120

be clear that the item I was looking at

167

00:24:32,110 --> 00:24:27,950

was the role items nicotine was right

168

00:26:10,590 --> 00:24:32,120

wing down okay thank you Rick and we

169

00:26:17,580 --> 00:26:13,230

you can at land us on air-to-ground -

170

00:26:21,930 --> 00:26:17,590

for post documents go ahead there

171

00:26:23,820 --> 00:26:21,940

granted yes this one I certify we're

172

00:26:25,590 --> 00:26:23,830

looking ahead at the procedure and would

173

00:26:27,150 --> 00:26:25,600

they capture lights on obviously we

174

00:26:29,250 --> 00:26:27,160

can't give you an answer confirm so

175

00:26:31,890 --> 00:26:29,260

we're going to just give you and those

176

00:26:34,380 --> 00:26:31,900

physical preparation present at that the

177

00:26:39,360 --> 00:26:34,390

case did that work through that that's a

178

00:27:09,210 --> 00:26:39,370

good plan play yeah that sounds great

179

00:27:13,649 --> 00:27:11,730

Atlantis underground - a few minutes ago

180

00:27:16,980 --> 00:27:13,659

the station flight told us that this

181

00:27:18,419 --> 00:27:16,990

attitude fix that they're gonna do

182

00:27:20,549 --> 00:27:18,429

should only take a few minutes maybe

183

00:28:40,700 --> 00:27:20,559

five ish so it's not going to be a long

184

00:28:44,240 --> 00:28:42,260

shuttle flight station flight with an

185

00:28:46,130 --> 00:28:44,250

update your Luke go ahead sir okay so

186

00:28:48,800 --> 00:28:46,140

we're on a u.s. rate so the attitude

187

00:28:50,810 --> 00:28:48,810

error is about two and a 2.2 degrees and

188

00:28:54,020 --> 00:28:50,820

no longer growing we are coordinating

189

00:28:58,280 --> 00:28:54,030

with the Russians to get back on a u.s.

190

00:29:00,350 --> 00:28:58,290

attitude source we're told to expect

191

00:29:02,540 --> 00:29:00,360

that in the next couple minutes here and

192

00:29:04,190 --> 00:29:02,550

then a short short while to clean up the

193

00:29:06,310 --> 00:29:04,200

attitude air the other option is the

194

00:29:08,840 --> 00:29:06,320

shuttle crew could fly out this roll air

195

00:29:11,030 --> 00:29:08,850

alright so the air is no longer growing

196

00:29:12,710 --> 00:29:11,040

that's correct correct okay if they do

197

00:29:14,510 --> 00:29:12,720

fly this out

198

00:29:16,370 --> 00:29:14,520

and the Russians proceed to go back on

199

00:29:18,020 --> 00:29:16,380

us source then they would be

200

00:29:20,240 --> 00:29:18,030

reintroducing the air so I recommend we

201

00:29:21,830 --> 00:29:20,250

just continue to sit tight here for an

202

00:29:28,810 --> 00:29:21,840

additional couple minutes to get the

203

00:29:32,890 --> 00:29:31,030

listen we've put in the request for them

204

00:29:35,260 --> 00:29:32,900

to switch sources so okay I'm a couple

205

00:29:36,760 --> 00:29:35,270

so we this is a multilateral machine

206

00:29:38,590 --> 00:29:36,770

we've already got the ball rolling in a

207

00:29:40,350 --> 00:29:38,600

certain direction so we'll we'll let it

208

00:29:44,590 --> 00:29:40,360

play out

209

00:29:46,540 --> 00:29:44,600

rendezvous copy and quat see once we

210

00:29:48,220 --> 00:29:46,550

give you a call that we're back in the

211

00:29:50,800 --> 00:29:48,230

docking attitude we should give the crew

212

00:29:52,480 --> 00:29:50,810

a call at that point to tell them to

213

00:29:54,460 --> 00:29:52,490

verify that it all looks good see if

214

00:29:58,840 --> 00:29:54,470

they need to fly up and then they should

215

00:30:01,030 --> 00:29:58,850

be gonna press in from there and about

216

00:30:02,530 --> 00:30:01,040

how long do you think I was told it

217

00:30:03,850 --> 00:30:02,540

would take what attica five minutes to

218

00:30:08,080 --> 00:30:03,860

clean up the attitude once they get on a

219

00:30:25,389 --> 00:30:08,090

us attitude source and then commanding

220

00:30:29,230 --> 00:30:27,340

and prop about how long do you think we

221

00:30:33,369 --> 00:30:29,240

can station keep like this until we

222

00:30:44,230 --> 00:30:33,379

start worrying about our gas gauge we

223

00:30:49,629 --> 00:30:47,019

flight max max looking ahead at the

224

00:30:53,109 --> 00:30:49,639

station orbiter docking script because

225

00:30:55,480 --> 00:30:53,119

of the situation with the capture light

226

00:30:58,239 --> 00:30:55,490

and the damping I won't be able to make

227

00:31:00,840 --> 00:30:58,249

my capture confirmed call until I see

228

00:31:20,770 --> 00:31:00,850

the crew activate the PSU powers again I

229

00:31:25,930 --> 00:31:23,790

when excuse narrator ground to status

230

00:31:28,060 --> 00:31:25,940

still working on attitude over on

231

00:31:29,500 --> 00:31:28,070

station sighs swapping sensors and then

232

00:31:31,840 --> 00:31:29,510

fixing the attitude it looks like it'll

233

00:31:36,990 --> 00:31:31,850

be a few more minutes but we don't see

234

00:31:41,290 --> 00:31:39,400

okay copy thanks for the update and it

235

00:31:43,240 --> 00:31:41,300

definitely has started to look a little

236

00:31:46,810 --> 00:31:43,250

better out there you know in Cameron out

237

00:31:48,960 --> 00:31:46,820

the window okay sounds good once they

238

00:31:51,250 --> 00:31:48,970

think they're back in attitude and and

239

00:32:33,120 --> 00:31:51,260

have their rates down then we'll ask you

240

00:32:37,090 --> 00:32:35,230

let's just say you know if we had to go

241

00:32:39,399 --> 00:32:37,100

in right now we probably do a night

242

00:32:44,080 --> 00:32:39,409

imputing with about a degree and then

243

00:32:47,230 --> 00:32:44,090

that so it's we're looking for shuttle

244

00:32:47,440 --> 00:32:47,240

flight station flight your loop okay go

245

00:32:49,419 --> 00:32:47,450

ahead

246

00:32:51,190 --> 00:32:49,429

we're on and good we're on a good

247

00:32:53,680 --> 00:32:51,200

reference attitude reference and rate

248

00:32:57,460 --> 00:32:53,690

reference we show us back in the docking

249

00:32:58,779 --> 00:32:57,470

attitude and stable so if you guys would

250

00:33:01,810 --> 00:32:58,789

go to give the shuttle words to

251
00:33:03,850 --> 00:33:01,820
precedent okay so we are go to press for

252
00:33:06,369 --> 00:33:03,860
docking and you may want to have them

253
00:33:08,619 --> 00:33:06,379
doing attitude fly out if they deem that

254
00:33:10,299 --> 00:33:08,629
necessary all right we'll reassess fly

255
00:33:14,860 --> 00:33:10,309
out and give them a go to press good

256
00:33:16,600 --> 00:33:14,870
words Atlanta Houston on the big loop

257
00:33:19,799 --> 00:33:16,610
okay we're back at the game station is

258
00:34:19,409 --> 00:33:19,809
in docking attitude and stable go to

259
00:34:25,139 --> 00:34:21,359
and Houston looks like we're gonna make

260
00:34:26,609 --> 00:34:25,149
a item 15 change of a degree or two so

261
00:34:48,350 --> 00:34:26,619
we'll put that in and let you know

262
00:34:53,250 --> 00:34:50,970
okay folks at this point the crews going

263
00:34:55,639 --> 00:34:53,260

to prepare to press in let's hold any

264

00:34:58,859 --> 00:34:55,649

calls that don't directly pertain to

265

00:35:01,470 --> 00:34:58,869

execution of the capture and hard mate

266

00:35:03,840 --> 00:35:01,480

if you do pick up anything that is a

267

00:35:38,250 --> 00:35:03,850

constraint to docking sing out please

268

00:36:16,050 --> 00:35:40,410

like June see they are doing the fly

269

00:36:21,190 --> 00:36:18,760

Houston Atlantis on the big loop clouds

270

00:36:22,330 --> 00:36:21,200

complete we like to picture with your go

271

00:36:27,430 --> 00:36:22,340

we're ready to proceed

272

00:36:30,510 --> 00:36:27,440

four miles there do Atlantis on the big

273

00:36:33,670 --> 00:36:30,520

loop you go to initiate final approach

274

00:36:47,330 --> 00:36:33,680

we copy paste in Atlanta through the

275

00:36:52,100 --> 00:36:49,340

and for the team I'm looking at join ops

276

00:37:27,230 --> 00:36:52,110

1 dot 107 station over there docking

277

00:37:27,240 --> 00:38:11,750

fifteen feet good artist

278

00:38:11,760 --> 00:39:17,290

TCG armed

279

00:39:17,300 --> 00:39:22,800

he takes on a big load

280

00:39:28,470 --> 00:39:25,990

our smtps locked up so we will be

281

00:39:43,180 --> 00:39:28,480

sending command on the Russian laptop

282

00:39:48,790 --> 00:39:45,880

capture confirmed shuttle frigate

283

00:39:50,410 --> 00:39:48,800

Houston station looks like we have no

284

00:40:03,819 --> 00:39:50,420

physical separation we have been

285

00:40:07,569 --> 00:40:03,829

captured confront station flight

286

00:40:11,650 --> 00:40:07,579

confirms free drift Atlantis on station

287

00:40:15,130 --> 00:40:11,660

station free drift is confirmed happy

288

00:40:18,870 --> 00:40:15,140

free drift is confirmed no action spec

289

00:40:23,710 --> 00:40:18,880

88 no actual inspect 88 message copy a

290

00:40:42,370 --> 00:40:23,720

firm flight no action on spec 88

291

00:40:53,079 --> 00:40:45,309

you see we see ourselves in step 3

292

00:41:02,960 --> 00:40:53,089

watching hearse we're with you step 3

293

00:41:33,230 --> 00:41:07,730

receive step three complete waiting in

294

00:41:33,240 --> 00:41:56,030

handing over

295

00:41:59,240 --> 00:41:57,800

and fly max we're still seeing a little

296

00:42:19,940 --> 00:41:59,250

relative motions for still waiting

297

00:42:19,950 --> 00:42:29,210

kokom and teacher spare

298

00:42:39,230 --> 00:42:31,849

houston we see ourselves ready for step

299

00:42:40,400 --> 00:42:39,240

6 about you checking flight max we're

300

00:42:44,510 --> 00:42:40,410

still seeing a little relative motion

301
00:42:46,370 --> 00:42:44,520
have a crew stand by please stand by

302
00:43:25,580 --> 00:42:46,380
step 6 still watching a little bit of

303
00:43:32,990 --> 00:43:28,970
hi max we're go for step 6 Cathy Atlanta

304
00:44:04,450 --> 00:43:33,000
Sarah grand - you're go for step 6 Cathy

305
00:44:10,089 --> 00:44:06,099
he's somewhere on the flip side of the

306
00:44:35,480 --> 00:44:10,099
card in step 8 hoping for you go we're

307
00:44:41,530 --> 00:44:39,200
hi max will go for step 8 Atlantis you

308
00:44:57,340 --> 00:44:41,540
are go for step 8

309
00:44:57,350 --> 00:46:55,300
we see step 8 brings Japanese

310
00:47:02,620 --> 00:46:57,490
looks like we're at six point four on

311
00:47:04,510 --> 00:47:02,630
one and three oh there's contact like he

312
00:47:12,400 --> 00:47:04,520
said we see the contact light on and we

313
00:47:14,200 --> 00:47:12,410

pushed thank you we concur with that the

314

00:47:16,630 --> 00:47:14,210

flight max looks like we were riding on

315

00:47:19,210 --> 00:47:16,640

the fixers and one of them failed the

316

00:47:21,430 --> 00:47:19,220

contact indication came on it's ok are

317

00:47:28,810 --> 00:47:21,440

now in the starred block and step 8

318

00:47:35,830 --> 00:47:28,820

copy Atlantis first step 8 we see you in

319

00:48:04,990 --> 00:47:38,140

yes we agree with you Steve and we're

320

00:48:10,660 --> 00:48:08,200

okay for the team looking forward if you

321

00:48:15,640 --> 00:48:10,670

could take a look at block 22 alpha on

322

00:48:25,529 --> 00:48:15,650

page 4 - 22 of the rendezvous book let

323

00:48:30,509 --> 00:48:28,709

flight Mac's back not for 22 alpha but

324

00:48:32,729 --> 00:48:30,519

for blockade yes sir

325

00:48:34,439 --> 00:48:32,739

once we're getting alignment very

326

00:48:36,149 --> 00:48:34,449

quickly here so once we get it we'll

327

00:48:39,239 --> 00:48:36,159

have the crew do the ring in for the

328

00:48:42,569 --> 00:48:39,249

star block if while they're driving in

329

00:48:44,819 --> 00:48:42,579

they lose the ring aligned light will

330

00:48:46,589 --> 00:48:44,829

have them then do a power on push button

331

00:48:48,479 --> 00:48:46,599

to halt the drive again and we'll wait

332

00:48:50,579 --> 00:48:48,489

for a line we see the ring a line light

333

00:49:06,780 --> 00:48:50,589

back on so we're starting our 30-second

334

00:49:11,730 --> 00:49:08,940

so fly max they were previously using

335

00:49:14,400 --> 00:49:11,740

the contact telemetry as their cue to

336

00:49:16,590 --> 00:49:14,410

halt drive I want them now to use the

337

00:49:17,940 --> 00:49:16,600

ring align light since the fixers are no

338

00:49:21,270 --> 00:49:17,950

longer functioning correctly

339

00:49:23,850 --> 00:49:21,280

copy that will tell them in Atlantis

340

00:49:25,220 --> 00:49:23,860

after you push the ring in push button

341

00:49:29,580 --> 00:49:25,230

there at the bottom of the start block

342

00:49:32,850 --> 00:49:29,590

as the ring as it's ringing in if you

343

00:49:36,500 --> 00:49:32,860

lose the ring aligned light then do a

344

00:49:38,940 --> 00:49:36,510

power on push-button Bush agreed okay

345

00:49:41,880 --> 00:49:38,950

Stevie Ray we see all that we see the

346

00:49:42,990 --> 00:49:41,890

base position inside of 20 so we think

347

00:50:41,920 --> 00:49:43,000

we're pretty good from here on it

348

00:51:36,250 --> 00:50:44,380

fight max folks are driving dual motor

349

00:51:41,600 --> 00:51:38,900

okay wall hooks are driving let me go

350

00:51:46,010 --> 00:51:41,610

around the horn here G and C and he

351
00:51:48,500 --> 00:51:46,020
built this 422 alpha gigabyte drop- okay

352
00:51:50,630 --> 00:51:48,510
rendezvous you aware of any I have none

353
00:51:52,310 --> 00:51:50,640
flip okay max you think you guys aren't

354
00:52:47,210 --> 00:51:52,320
having built this 422 alpha negative

355
00:52:52,990 --> 00:52:50,960
step 14 and were keys and Justin kept

356
00:52:55,520 --> 00:52:53,000
you for watching

357
00:53:55,569 --> 00:52:55,530
WiMAX we see 12 looks closed because

358
00:53:59,390 --> 00:53:57,529
Caecilius sells complete with the

359
00:54:01,759 --> 00:53:59,400
docking sequence keycard we're headed

360
00:54:04,339 --> 00:54:01,769
back to Aaron around 2:00 and Terminator

361
00:54:07,489 --> 00:54:04,349
on to go out flop 20 to a Mexican curse

362
00:54:13,160 --> 00:54:07,499
we're with him concur good job see in 22

363
00:55:14,800 --> 00:54:13,170

alpha in Atlanta Sarah grant to know

364

00:55:18,950 --> 00:55:17,210

lucemon station Atlantis we are

365

00:55:22,450 --> 00:55:18,960

beginning and missile hack sleeeep

366

00:55:24,530 --> 00:55:22,460

checks when post-doc an athlete check

367

00:55:27,970 --> 00:55:24,540

ladies um we can perform nuts in the

368

00:55:31,520 --> 00:55:27,980

ground take care of that from the ground

369

00:55:33,310 --> 00:55:31,530

and the Atlantis Houston shuttle on the

370

00:55:35,750 --> 00:55:33,320

big moon take care of that for the crew

371

00:55:38,120 --> 00:55:35,760

and in the meantime we come you want

372

00:55:40,280 --> 00:55:38,130

them to go grab grab a towel and check

373

00:55:49,220 --> 00:55:40,290

the LED for water force when you come

374

00:55:53,000 --> 00:55:49,230

it's a little more complicated if you

375

00:55:54,680 --> 00:55:53,010

have to go and see do I understand

376

00:55:56,480 --> 00:55:54,690

you're gonna do the post I can hatch

377

00:55:58,550 --> 00:55:56,490

leak checks on the ground and then step

378

00:56:00,410 --> 00:55:58,560

5 when it's complete you will call us

379

00:56:02,720 --> 00:56:00,420

and let let us know when we're ready for

380

00:56:08,030 --> 00:56:02,730

best utilization is that correct hey

381

00:56:10,040 --> 00:56:08,040

ferme absolutely correct openness very

382

00:56:30,500 --> 00:56:10,050

good this makes understood thank you you

383

00:56:37,550 --> 00:56:35,780

slight problem go our steps in step one

384

00:58:28,930 --> 00:56:37,560

of 22 alpha are complete

385

00:58:33,039 --> 00:58:31,029

shuttle flight a CEO for mplm

386

00:58:35,230 --> 00:58:33,049

troubleshooting go ahead

387

00:58:36,609 --> 00:58:35,240

I've got flight no 12 out there for you

388

00:58:39,190 --> 00:58:36,619

to look at when you got some time this

389

00:58:42,549 --> 00:58:39,200

is our plan for the troubleshooting is

390

00:58:44,430 --> 00:58:42,559

the NPM telemetry we'll be looking for

391

00:58:47,589 --> 00:58:44,440

some time to do that here this afternoon

392

00:58:50,230 --> 00:58:47,599

okay I'll chew an FAO chat about that

393

00:58:53,940 --> 00:58:50,240

and then we'll we'll take a look at the

394

00:58:57,130 --> 00:58:53,950

detail but I fail to check complete

395

00:58:59,829 --> 00:58:57,140

all right we're looking at doing this on

396

00:59:02,079 --> 00:58:59,839

pilot right after the repeat them as a

397

00:59:03,789 --> 00:59:02,089

22-hour you're ready for everywhere it's

398

00:59:06,960 --> 00:59:03,799

kind of the middle of the left-hand

399

00:59:31,730 --> 00:59:06,970

column GMC is ready set we'll take it

400

00:59:31,740 --> 00:59:42,500

quite deep yes

401
00:59:42,510 --> 00:59:49,170
and flight Jin see

402
01:00:08,600 --> 00:59:52,620
Jean C go ahead we selected LVH on the

403
01:00:11,840 --> 01:00:10,680
platypi Oh when the crews ready we'll go

404
01:00:34,600 --> 01:00:11,850
to maneuver

405
01:00:45,810 --> 01:00:38,620
DPS go ahead slightly psi I just want to

406
01:00:52,900 --> 01:00:49,120
candidate with I'm into decimal 102

407
01:02:18,490 --> 01:00:52,910
except 3.3 you ready to copy number all