



1  
00:01:02,150 --> 00:01:00,310  
so i think as you all can see we're

2  
00:01:03,910 --> 00:01:02,160  
gathered here around the table here in

3  
00:01:05,350 --> 00:01:03,920  
the base block of mir

4  
00:01:07,510 --> 00:01:05,360  
and i think

5  
00:01:10,230 --> 00:01:07,520  
we're demonstrating international

6  
00:01:12,630 --> 00:01:10,240  
friendship and cooperation here aboard

7  
00:01:14,390 --> 00:01:12,640  
an international space complex

8  
00:01:16,070 --> 00:01:14,400  
shuttle and mirror

9  
00:01:18,149 --> 00:01:16,080  
demonstrating what we can do in the

10  
00:01:19,749 --> 00:01:18,159  
future as we proceed to international

11  
00:01:22,550 --> 00:01:19,759  
space station

12  
00:01:24,830 --> 00:01:22,560  
uh russian crews american crews and and

13  
00:01:26,710 --> 00:01:24,840

future international crews all working

14

00:01:29,429 --> 00:01:26,720

together

15

00:01:31,990 --> 00:01:29,439

uh shannon as you're uh ending your your

16

00:01:33,670 --> 00:01:32,000

mission wondering what uh just what your

17

00:01:34,789 --> 00:01:33,680

private thoughts are and feelings as

18

00:01:36,469 --> 00:01:34,799

this uh

19

00:01:38,310 --> 00:01:36,479

ceremony is about to happen this morning

20

00:01:40,550 --> 00:01:38,320

and you're finally really going to be

21

00:01:42,710 --> 00:01:40,560

coming home and john just the opposite

22

00:01:44,469 --> 00:01:42,720

for you what your thoughts are what's

23

00:01:52,950 --> 00:01:44,479

going through your mind as your mission

24

00:01:57,109 --> 00:01:55,270

uh mixtures of begin uh you know i'm

25

00:01:59,190 --> 00:01:57,119

really happy and i also feel just a

26  
00:02:01,749 --> 00:01:59,200  
little sad this has been my home for six

27  
00:02:03,429 --> 00:02:01,759  
months and i've had a great time here

28  
00:02:05,990 --> 00:02:03,439  
but obviously i'm very very anxious to

29  
00:02:07,990 --> 00:02:06,000  
go back to my real home back in houston

30  
00:02:09,669 --> 00:02:08,000  
texas with my family

31  
00:02:11,350 --> 00:02:09,679  
and also i'm

32  
00:02:15,190 --> 00:02:11,360  
just very very grateful that i've had

33  
00:02:16,869 --> 00:02:15,200  
this opportunity uh to experience the um

34  
00:02:18,550 --> 00:02:16,879  
what it's like to live in an

35  
00:02:21,190 --> 00:02:18,560  
international community it was just

36  
00:02:22,949 --> 00:02:21,200  
great and i want uh to thank

37  
00:02:24,710 --> 00:02:22,959  
uh you know my bosses for letting me do

38  
00:02:26,949 --> 00:02:24,720

this and i'd also like to thank all the

39

00:02:29,350 --> 00:02:26,959

people on the ground that uh

40

00:02:31,830 --> 00:02:29,360

gave such tremendous tremendous support

41

00:02:34,470 --> 00:02:31,840

as to make it such a pleasant experience

42

00:02:37,110 --> 00:02:34,480

for me and i'd also like to thank yuri

43

00:02:37,990 --> 00:02:37,120

and yuri and also valeria and sasha

44

00:02:39,350 --> 00:02:38,000

because

45

00:02:41,270 --> 00:02:39,360

you know a person doesn't live by

46

00:02:43,270 --> 00:02:41,280

themselves you live in a group and

47

00:02:49,990 --> 00:02:43,280

working together it just was a great

48

00:02:54,710 --> 00:02:52,390

been training to do this mission for the

49

00:02:55,990 --> 00:02:54,720

last two years i'm really looking

50

00:02:58,710 --> 00:02:56,000

forward to it

51

00:03:00,309 --> 00:02:58,720

um the laurie and sasha

52

00:03:01,910 --> 00:03:00,319

are going to be a great crew to work

53

00:03:06,630 --> 00:03:01,920

with

54

00:03:08,710 --> 00:03:06,640

have been fantastic to me since i

55

00:03:11,509 --> 00:03:08,720

returned to houston and have supported

56

00:03:13,270 --> 00:03:11,519

me a lot during the transfer ops getting

57

00:03:14,229 --> 00:03:13,280

all the equipment over here to do the

58

00:03:17,270 --> 00:03:14,239

job

59

00:03:18,390 --> 00:03:17,280

and shannon i give a big thank you to

60

00:03:20,710 --> 00:03:18,400

for having

61

00:03:22,790 --> 00:03:20,720

given me such a good handover to work on

62

00:03:25,190 --> 00:03:22,800

the mere space station to make my life a

63

00:03:26,949 --> 00:03:25,200

little bit easier in the next four and a

64

00:03:29,270 --> 00:03:26,959

half months so

65

00:03:30,869 --> 00:03:29,280

those are my thoughts

66

00:03:33,910 --> 00:03:30,879

john how do you think you'll be feeling

67

00:03:37,910 --> 00:03:33,920

tomorrow as you watch atlantis pull away

68

00:03:42,789 --> 00:03:40,470

well i don't know really uh actually i'm

69

00:03:45,270 --> 00:03:42,799

kind of looking forward to it because

70

00:03:47,110 --> 00:03:45,280

we've been so busy uh with two control

71

00:03:49,430 --> 00:03:47,120

centers controlling us

72

00:03:51,110 --> 00:03:49,440

that i'm looking forward to the pace

73

00:03:54,149 --> 00:03:51,120

slowing down a little bit which i think

74

00:03:56,470 --> 00:03:54,159

it will uh so i'll probably have some uh

75

00:03:58,229 --> 00:03:56,480

other feelings as well but i don't know

76

00:04:00,149 --> 00:03:58,239

what those are yet but certainly it'll

77

00:04:02,309 --> 00:04:00,159

be very pretty as the atlantis pulls

78

00:04:04,309 --> 00:04:02,319

away

79

00:04:07,830 --> 00:04:04,319

a few weeks before your flight you

80

00:04:09,990 --> 00:04:07,840

express some concern about your

81

00:04:11,910 --> 00:04:10,000

need to develop a rapport with your

82

00:04:14,070 --> 00:04:11,920

russian host and i just wondered if you

83

00:04:16,550 --> 00:04:14,080

could elaborate a little bit on how

84

00:04:18,629 --> 00:04:16,560

that's transformed since you've docked

85

00:04:20,469 --> 00:04:18,639

do you feel like you've made up some

86

00:04:25,670 --> 00:04:20,479

ground do you feel you'll be comfortable

87

00:04:30,070 --> 00:04:28,310

absolutely what you're referring to is a

88

00:04:31,670 --> 00:04:30,080

crew change which occurred with the

89

00:04:34,629 --> 00:04:31,680

russians

90

00:04:36,390 --> 00:04:34,639

in august prior to their launch and it's

91

00:04:39,110 --> 00:04:36,400

correct that i have not trained with the

92

00:04:41,990 --> 00:04:39,120

law and sasha but i had known them at

93

00:04:44,790 --> 00:04:42,000

star city i would say that uh what i

94

00:04:47,270 --> 00:04:44,800

told you uh two weeks before launch uh

95

00:04:49,590 --> 00:04:47,280

i've already learned uh that these two

96

00:04:51,670 --> 00:04:49,600

people are fantastic uh they're going

97

00:04:52,469 --> 00:04:51,680

out of their way to help me and help me

98

00:04:53,990 --> 00:04:52,479

get

99

00:04:55,830 --> 00:04:54,000

acquainted with the mirror and the

100

00:04:57,270 --> 00:04:55,840

things we have to do and anytime i have

101  
00:04:59,990 --> 00:04:57,280  
any questions

102  
00:05:02,550 --> 00:05:00,000  
they really helped me so a big kudo to

103  
00:05:04,790 --> 00:05:02,560  
folate and sasha for all their help for

104  
00:05:06,390 --> 00:05:04,800  
commander reedy i'm wondering what your

105  
00:05:08,550 --> 00:05:06,400  
reaction was

106  
00:05:10,629 --> 00:05:08,560  
right after launch after the apu shut

107  
00:05:17,990 --> 00:05:10,639  
off on its own and whether you have any

108  
00:05:21,350 --> 00:05:19,749  
well first of all we'd already had main

109  
00:05:22,790 --> 00:05:21,360  
engine cutoffs so we were already in

110  
00:05:24,390 --> 00:05:22,800  
space and

111  
00:05:25,990 --> 00:05:24,400  
everything that the apu's were supposed

112  
00:05:27,430 --> 00:05:26,000  
to accomplish on asset was already

113  
00:05:29,430 --> 00:05:27,440

completed so

114

00:05:31,430 --> 00:05:29,440

we knew that the mission control team

115

00:05:33,430 --> 00:05:31,440

would be working this real hard

116

00:05:35,430 --> 00:05:33,440

but the space shuttle was designed with

117

00:05:38,710 --> 00:05:35,440

an awful lot of redundancy and it can

118

00:05:41,189 --> 00:05:38,720

fly just fine on two apus and in a in a

119

00:05:42,790 --> 00:05:41,199

bar emergency even one so

120

00:05:43,830 --> 00:05:42,800

i don't think we're really concerned at

121

00:05:46,469 --> 00:05:43,840

all

122

00:05:47,909 --> 00:05:46,479

terry uh wilcox takes care of the apu's

123

00:05:49,830 --> 00:05:47,919

and the hydraulics and we've got

124

00:05:52,070 --> 00:05:49,840

procedures that we've practiced time and

125

00:05:53,350 --> 00:05:52,080

time again over the years that that we

126

00:05:55,510 --> 00:05:53,360

can use so i don't think we're really

127

00:05:57,909 --> 00:05:55,520

concerned

128

00:05:59,350 --> 00:05:57,919

uh john the international space station

129

00:06:00,950 --> 00:05:59,360

is facing some fairly significant

130

00:06:02,390 --> 00:06:00,960

problems in terms of schedule and

131

00:06:04,150 --> 00:06:02,400

funding in russia

132

00:06:05,270 --> 00:06:04,160

there's issues with command and control

133

00:06:07,350 --> 00:06:05,280

that are all going to be debated this

134

00:06:08,790 --> 00:06:07,360

week get an incremental design review

135

00:06:10,469 --> 00:06:08,800

and i'm wondering you're on the only the

136

00:06:12,469 --> 00:06:10,479

world's only space station right now and

137

00:06:13,749 --> 00:06:12,479

i'm just wondering um if you could say

138

00:06:15,029 --> 00:06:13,759

something to the negotiators who are

139

00:06:17,430 --> 00:06:15,039

meeting in houston to debate some of

140

00:06:18,870 --> 00:06:17,440

these issues uh what you might say to to

141

00:06:23,749 --> 00:06:18,880

get the process moving along a little

142

00:06:27,350 --> 00:06:25,430

well that's a pretty big question and

143

00:06:28,710 --> 00:06:27,360

i'm probably the wrong person to answer

144

00:06:30,629 --> 00:06:28,720

but

145

00:06:32,629 --> 00:06:30,639

since you asked me i'll try to give you

146

00:06:35,590 --> 00:06:32,639

an opinion

147

00:06:37,510 --> 00:06:35,600

without a doubt the russians uh have

148

00:06:39,510 --> 00:06:37,520

known a lot about space stations they

149

00:06:42,070 --> 00:06:39,520

had first had the salute in orbit and

150

00:06:43,510 --> 00:06:42,080

now the mir has been in orbit for close

151  
00:06:46,230 --> 00:06:43,520  
to 11 years

152  
00:06:48,629 --> 00:06:46,240  
and uh i'm sure having talked with some

153  
00:06:50,629 --> 00:06:48,639  
of my colleagues that we as an

154  
00:06:53,749 --> 00:06:50,639  
international community

155  
00:06:55,589 --> 00:06:53,759  
need a new space station because after a

156  
00:06:57,350 --> 00:06:55,599  
vehicle has been in orbit for a long

157  
00:07:00,790 --> 00:06:57,360  
time the parts are starting to

158  
00:07:02,629 --> 00:07:00,800  
deteriorate and so without a doubt

159  
00:07:05,350 --> 00:07:02,639  
this experience

160  
00:07:06,870 --> 00:07:05,360  
on mere shuttle has been very positive

161  
00:07:08,710 --> 00:07:06,880  
and it just shows

162  
00:07:10,950 --> 00:07:08,720  
how much more we can do with the

163  
00:07:12,870 --> 00:07:10,960

international space station so we really

164

00:07:15,029 --> 00:07:12,880

need to press forward

165

00:07:18,309 --> 00:07:15,039

construct the new international space

166

00:07:20,469 --> 00:07:18,319

station and

167

00:07:22,710 --> 00:07:20,479

do it together with our the russians and

168

00:07:25,830 --> 00:07:22,720

the europeans and the japanese and all

169

00:07:28,870 --> 00:07:25,840

the people in the world so as to provide

170

00:07:32,950 --> 00:07:28,880

new science information that can help

171

00:07:34,550 --> 00:07:32,960

improve life for everybody on the planet

172

00:07:35,749 --> 00:07:34,560

i'm just wondering if during your six

173

00:07:36,950 --> 00:07:35,759

months up there if you looked out the

174

00:07:38,710 --> 00:07:36,960

window at night when you didn't have

175

00:07:41,110 --> 00:07:38,720

anything to do if you ever reflected on

176

00:07:42,469 --> 00:07:41,120

the the philosophical significance of

177

00:07:44,390 --> 00:07:42,479

whatever you want to call it of being a

178

00:07:45,749 --> 00:07:44,400

pioneer or a space explorer i mean do

179

00:07:47,029 --> 00:07:45,759

you have thoughts like that are those

180

00:07:51,029 --> 00:07:47,039

the kind of things that you think about

181

00:07:55,510 --> 00:07:53,589

i have lots of thoughts all the time uh

182

00:07:56,869 --> 00:07:55,520

no a lot of times you know

183

00:07:59,189 --> 00:07:56,879

i would just look out the window now and

184

00:08:00,790 --> 00:07:59,199

think wow who would have ever dreamed

185

00:08:02,150 --> 00:08:00,800

you know two years ago

186

00:08:04,710 --> 00:08:02,160

that i would be here who would have

187

00:08:06,710 --> 00:08:04,720

dreamed ten years ago that uh i would

188

00:08:09,110 --> 00:08:06,720

have been here i mean and i just thought

189

00:08:14,950 --> 00:08:09,120

about how strange life is and how many

190

00:08:19,029 --> 00:08:17,189

the commander corzone would you uh

191

00:08:21,270 --> 00:08:19,039

please tell us what you will be thinking

192

00:08:23,110 --> 00:08:21,280

about when the hatches close and your

193

00:08:27,510 --> 00:08:23,120

friend shannon lucid disappears behind

194

00:08:31,670 --> 00:08:31,029

when the hatch closes and shannon stays

195

00:08:32,630 --> 00:08:31,680

on

196

00:08:35,269 --> 00:08:32,640

shuttle

197

00:08:37,750 --> 00:08:35,279

we will be sad we're already kind of sad

198

00:08:42,870 --> 00:08:40,550

not only are we

199

00:08:45,590 --> 00:08:42,880

saying goodbye to a colleague but to a

200

00:08:47,350 --> 00:08:45,600

very fine person

201  
00:08:49,590 --> 00:08:47,360  
an outstanding professional an

202  
00:08:51,190 --> 00:08:49,600  
outstanding woman a very practical

203  
00:08:52,829 --> 00:08:51,200  
person

204  
00:08:55,750 --> 00:08:52,839  
it has been

205  
00:08:57,269 --> 00:08:55,760  
uh reminding having a woman on board has

206  
00:09:01,110 --> 00:08:57,279  
reminded us

207  
00:09:06,310 --> 00:09:01,120  
of a kind of a household

208  
00:09:10,870 --> 00:09:09,509  
it's been very good having her on board

209  
00:09:14,630 --> 00:09:10,880  
we will be uh

210  
00:09:16,630 --> 00:09:14,640  
somewhat sad with her return

211  
00:09:19,190 --> 00:09:16,640  
we understand that she wants to go back

212  
00:09:26,150 --> 00:09:19,200  
and see her family and we will be

213  
00:09:30,070 --> 00:09:28,150

at the same time that we'll be feeling

214

00:09:32,070 --> 00:09:30,080

sad about

215

00:09:34,230 --> 00:09:32,080

shannon however

216

00:09:36,710 --> 00:09:34,240

we will also be feeling sad about the

217

00:09:39,350 --> 00:09:36,720

farewell with the crew of atlantis

218

00:09:42,230 --> 00:09:39,360

because we have had a very productive

219

00:09:47,269 --> 00:09:42,240

session of work here and these are our

220

00:09:54,710 --> 00:09:50,070

atlantis mirror houston we've got a good

221

00:09:58,790 --> 00:09:56,949

well welcome aboard the shuttle mirror

222

00:10:01,269 --> 00:09:58,800

complex atlantis

223

00:10:02,710 --> 00:10:01,279

and mirror joined together in earth

224

00:10:05,350 --> 00:10:02,720

orbit

225

00:10:07,670 --> 00:10:05,360

two crews together

226

00:10:10,710 --> 00:10:07,680

demonstrating cooperation

227

00:10:12,230 --> 00:10:10,720

and the future in space toward an

228

00:10:14,630 --> 00:10:12,240

international space station that will

229

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

build together

230

00:10:19,110 --> 00:10:16,560

i'd like to say a few words in russian

231

00:10:21,110 --> 00:10:19,120

to uh to our russian colleagues to our

232

00:10:24,230 --> 00:10:21,120

russian hosts who've been

233

00:10:28,790 --> 00:10:24,240

so hospitable and who've worked so hard

234

00:10:28,800 --> 00:10:34,069

dear friends

235

00:10:38,230 --> 00:10:36,710

the hatch i would like on behalf of the

236

00:10:43,110 --> 00:10:38,240

atlantis crew

237

00:10:43,120 --> 00:10:55,350

for your hospitality and

238

00:10:58,630 --> 00:10:56,949

that we appreciate not only their

239

00:11:00,630 --> 00:10:58,640

hospitality

240

00:11:03,030 --> 00:11:00,640

but also the way

241

00:11:05,670 --> 00:11:03,040

they made shannon a part of their crew

242

00:11:08,230 --> 00:11:05,680

and how well we think that that john is

243

00:11:11,030 --> 00:11:08,240

going to do when when he starts

244

00:11:13,350 --> 00:11:11,040

and what this mission is about is is

245

00:11:17,590 --> 00:11:13,360

ends and beginnings and conflicting

246

00:11:23,269 --> 00:11:20,550

beginnings because it begins john swipe

247

00:11:25,030 --> 00:11:23,279

uh with the frigate with uh

248

00:11:27,590 --> 00:11:25,040

valerie and sasha

249

00:11:28,790 --> 00:11:27,600

and endings because uh it ends shannon's

250

00:11:35,350 --> 00:11:28,800

flight

251

00:11:39,910 --> 00:11:37,430

i think all of us when the hatch closes

252

00:11:42,470 --> 00:11:39,920

or are probably going to have also

253

00:11:44,470 --> 00:11:42,480

conflicting emotions we'd obviously like

254

00:11:46,310 --> 00:11:44,480

to to stay and

255

00:11:47,430 --> 00:11:46,320

every time we go past the window and see

256

00:11:49,829 --> 00:11:47,440

the mirror

257

00:11:51,590 --> 00:11:49,839

it's it's just an awesome sight

258

00:11:53,750 --> 00:11:51,600

and every time we float down one of the

259

00:11:55,430 --> 00:11:53,760

passageways into the hatch and see one

260

00:11:57,829 --> 00:11:55,440

of our russian colleagues

261

00:11:59,190 --> 00:11:57,839

working together with a member of our

262

00:12:09,110 --> 00:11:59,200

crew it's just

263

00:12:11,590 --> 00:12:10,790

say something in response to something

264

00:12:13,910 --> 00:12:11,600

that

265

00:12:15,829 --> 00:12:13,920

uh already said prior to closing the

266

00:12:17,750 --> 00:12:15,839

hatch we would like to thank our

267

00:12:20,710 --> 00:12:17,760

american colleagues for the wonderful

268

00:12:22,829 --> 00:12:20,720

work that they have performed on orbit

269

00:12:27,910 --> 00:12:22,839

for the well-planned

270

00:12:31,190 --> 00:12:29,430

our cooperation

271

00:12:35,990 --> 00:12:31,200

between russia and the united states in

272

00:12:36,000 --> 00:12:45,990

for all of mankind

273

00:12:50,470 --> 00:12:48,069

folks i'd like to

274

00:12:54,230 --> 00:12:50,480

thank you for

275

00:12:57,829 --> 00:12:56,150

and that we have done perform such an

276

00:13:00,710 --> 00:12:57,839

interesting and

277

00:13:02,870 --> 00:13:00,720

good quantity of work

278

00:13:04,069 --> 00:13:02,880

that everything has turned out so well

279

00:13:05,190 --> 00:13:04,079

and i think

280

00:13:09,190 --> 00:13:05,200

that this

281

00:13:10,230 --> 00:13:09,200

work of ours this joint work will in the

282

00:13:14,710 --> 00:13:10,240

future

283

00:13:44,870 --> 00:13:14,720

the uh an example of

284

00:13:49,829 --> 00:13:47,990

i think that's the end of our programs

285

00:13:52,629 --> 00:13:49,839

and bill uh

286

00:13:55,590 --> 00:13:52,639

as you so aptly stated uh even in the

287

00:14:01,509 --> 00:13:55,600

greatest of successes uh there can be a

288

00:14:04,949 --> 00:14:03,590

okay you can see uh that we're checking

289

00:14:06,790 --> 00:14:04,959

out all the different things we've got

290

00:14:09,910 --> 00:14:06,800

to make sure the crosshairs are

291

00:14:11,269 --> 00:14:09,920

installed the two uh docking lights are

292

00:14:13,110 --> 00:14:11,279

installed

293

00:14:14,629 --> 00:14:13,120

we're waiting uh

294

00:14:17,189 --> 00:14:14,639

waiting for the russians to complete

295

00:14:19,750 --> 00:14:17,199

their side of it which is uh

296

00:14:23,189 --> 00:14:19,760

checking that the the seal is is nice

297

00:14:27,670 --> 00:14:26,470

taking hands here with uh valerian sasha

298

00:14:29,990 --> 00:14:27,680

kind of a

299

00:14:31,910 --> 00:14:30,000

bittersweet moment because i'll tell you

300

00:14:33,829 --> 00:14:31,920

they're such great guys and they

301

00:14:35,430 --> 00:14:33,839

did such a terrific job working with us

302

00:14:47,189 --> 00:14:35,440

here and all the transfer and

303

00:14:50,870 --> 00:14:49,350

now hatch closing you can see the