



1
00:00:00,000 --> 00:00:32,210

I
2
00:00:32,220 --> 00:01:48,270
you

3
00:01:48,280 --> 00:01:52,510
it's hard dude

4
00:01:52,520 --> 00:01:56,820
where I'm going

5
00:02:04,800 --> 00:02:00,620
but there's a dream I've been following

6
00:02:04,810 --> 00:02:41,399
mama

7
00:02:45,850 --> 00:02:43,630
good morning discovery if you look out

8
00:02:47,979 --> 00:02:45,860
the window a little more than 500 miles

9
00:02:56,740 --> 00:02:47,989
off to the Northeast you'll see the

10
00:03:00,190 --> 00:02:56,750
houston rodeo goodmornin which we could

11
00:03:19,060 --> 00:03:00,200
be there listen to constable bill bailey

12
00:03:34,790 --> 00:03:25,460
isn't this coming bread doctors TV y'all

13
00:03:38,150 --> 00:03:34,800

have k u been gone now yes sir if you

14

00:03:42,740 --> 00:03:38,160

want to select the otha camera oh yeah

15

00:03:45,410 --> 00:03:42,750

comet hale-bopp and we're watching it

16

00:04:03,810 --> 00:03:45,420

right now it's a it's showing out right

17

00:04:08,110 --> 00:04:06,220

sure is great to have an astronomer

18

00:04:10,560 --> 00:04:08,120

quarters it's a lot more impressive part

19

00:04:12,580 --> 00:04:10,570

but it's kind of neat on TV anyway

20

00:04:16,680 --> 00:04:12,590

certainly is and we were saying it's

21

00:04:27,340 --> 00:04:18,760

think we should always have a start of

22

00:04:50,159 --> 00:04:27,350

our job boys Jeff Hoffman is not here to

23

00:04:57,050 --> 00:04:53,850

okay message for jerry linenger on the

24

00:04:59,790 --> 00:04:57,060

MIR space station from your three

25

00:05:03,269 --> 00:04:59,800

classmates three fellow hogs in the

26

00:05:06,390 --> 00:05:03,279

discovery orbiting that 335 nautical

27

00:05:08,249 --> 00:05:06,400

mile freer and 34 I guess today we say

28

00:05:10,320 --> 00:05:08,259

hi to you Jerry and then we've been

29

00:05:11,909 --> 00:05:10,330

thinking about you frequently during our

30

00:05:14,550 --> 00:05:11,919

mission here we wish that we were in an

31

00:05:16,350 --> 00:05:14,560

orbit that we could pass a little closer

32

00:05:19,140 --> 00:05:16,360

to each other and maybe talk a little

33

00:05:21,779 --> 00:05:19,150

bit but we're very proud of all the work

34

00:05:24,209 --> 00:05:21,789

that you're doing there and we're

35

00:05:25,529 --> 00:05:24,219

looking after your family real we're

36

00:05:27,360 --> 00:05:25,539

close I guess they're in Russia right

37

00:05:29,610 --> 00:05:27,370

now but we're keep track of them and

38

00:05:31,379 --> 00:05:29,620

we're hoping that you're doing well and

39

00:05:32,879 --> 00:05:31,389

all of your experiments are going well

40

00:05:33,989 --> 00:05:32,889

but you're just having a great time look

41

00:05:40,559 --> 00:05:33,999

forward to seeing you when you get back

42

00:05:41,730 --> 00:05:40,569

here Scott hey Jer its back I hope

43

00:05:43,879 --> 00:05:41,740

you're having a real good time over

44

00:05:46,320 --> 00:05:43,889

there on that mir space station

45

00:05:47,909 --> 00:05:46,330

obviously you're doing all that great

46

00:05:49,260 --> 00:05:47,919

stuff to get us ready for a next

47

00:05:51,540 --> 00:05:49,270

generation of spacecraft we're getting

48

00:05:54,389 --> 00:05:51,550

ready to build we had a blast here on

49

00:05:56,119 --> 00:05:54,399

the Hubble telescope mission I got to

50

00:05:58,439 --> 00:05:56,129

fix a lot of stuff so as a happy camper

51
00:06:00,480 --> 00:05:58,449
the only thing broken on me or give me a

52
00:06:05,209 --> 00:06:00,490
holler I'll come in fix its I don't

53
00:06:09,899 --> 00:06:08,339
Steve Smith on the Jonah adapter to go

54
00:06:11,670 --> 00:06:09,909
out the door here a couple times for

55
00:06:13,379 --> 00:06:11,680
this side if we know you're going to be

56
00:06:14,999 --> 00:06:13,389
doing that the next month or two so I

57
00:06:17,909 --> 00:06:15,009
just want to say it's a great time it's

58
00:06:19,619 --> 00:06:17,919
a good experience that we look forward

59
00:06:21,779 --> 00:06:19,629
to sharing your thoughts on that just

60
00:06:23,760 --> 00:06:21,789
family fine we've had seen them quite a

61
00:06:26,249 --> 00:06:23,770
bit actually before they headed back to

62
00:06:27,420 --> 00:06:26,259
russia and that's been really fun

63
00:06:35,610 --> 00:06:27,430

thinking that we're all here together

64

00:06:35,620 --> 00:06:38,930

you

65

00:06:43,850 --> 00:06:41,750

and again the light says Florida that's

66

00:06:46,580 --> 00:06:43,860

Miami in the upper right hand corner you

67

00:06:49,130 --> 00:06:46,590

can see the Cape middle the screen right

68

00:06:50,300 --> 00:06:49,140

now and Orlando's the large city in the

69

00:07:07,450 --> 00:06:50,310

lower part of the screen going out of

70

00:07:12,159 --> 00:07:09,879

and the roller left hand where this

71

00:07:14,320 --> 00:07:12,169

picture is Long Island in New York you

72

00:07:15,790 --> 00:07:14,330

see quite clearly sucks because through

73

00:07:24,629 --> 00:07:15,800

the darkness of central park with my

74

00:07:24,639 --> 00:08:06,999

now that's good vision

75

00:08:12,010 --> 00:08:09,040

hey Kevin the answer messages are coming

76

00:08:14,769 --> 00:08:12,020

in the tips glad okay well waiting for

77

00:08:17,200 --> 00:08:14,779

the tips to spit out the messages the

78

00:08:20,109 --> 00:08:17,210

weather for the Cape tomorrow is looking

79

00:08:22,420 --> 00:08:20,119

fairly good some scattered clouds at low

80

00:08:25,269 --> 00:08:22,430

and high altitudes our only concern

81

00:08:26,950 --> 00:08:25,279

right now is possible showers inside the

82

00:08:30,339 --> 00:08:26,960

box but we think we have a good chance

83

00:08:34,120 --> 00:08:30,349

of getting into kennedy edwards is also

84

00:08:35,800 --> 00:08:34,130

looking good when obviously tomorrows

85

00:08:37,990 --> 00:08:35,810

against a light will evaluate the

86

00:08:39,850 --> 00:08:38,000

weather and see exactly what our options

87

00:08:41,800 --> 00:08:39,860

are but right now we think we have good

88

00:08:51,879 --> 00:08:41,810

chance of bringing down to the prime

89

00:08:56,019 --> 00:08:51,889

place tomorrow that's right Kevin and

90

00:08:59,319 --> 00:08:56,029

just free info the winds at this time

91

00:09:02,350 --> 00:08:59,329

the air at KSC are pretty light at high

92

00:09:04,509 --> 00:09:02,360

altitude 30 to 40 knots and of course

93

00:09:07,329 --> 00:09:04,519

out of the West they're out of the

94

00:09:14,830 --> 00:09:07,339

Northwest at the edwards run around 75

95

00:09:19,440 --> 00:09:16,840

this is Michelle cordon with the

96

00:09:22,120 --> 00:09:19,450

associated press this is for Jo tanner

97

00:09:23,590 --> 00:09:22,130

it seems like this is kind of like

98

00:09:25,120 --> 00:09:23,600

training for a marathon and you train

99

00:09:27,340 --> 00:09:25,130

for months and months and then it's over

100

00:09:29,200 --> 00:09:27,350

can you describe what you're feeling now

101
00:09:35,410 --> 00:09:29,210
are you relieved are you kind of let

102
00:09:37,630 --> 00:09:35,420
down that it's over no I'm not let down

103
00:09:39,820 --> 00:09:37,640
at all we're having a great time still

104
00:09:44,050 --> 00:09:39,830
and yes a little relieved that that

105
00:09:45,960 --> 00:09:44,060
everything went so so well we had hoped

106
00:09:47,980 --> 00:09:45,970
it would go this well and it's just a

107
00:09:50,380 --> 00:09:47,990
sense of accomplishment for the whole

108
00:09:52,000 --> 00:09:50,390
team on the ground and at me there's no

109
00:09:54,150 --> 00:09:52,010
orbiter here that everything went as

110
00:09:56,410 --> 00:09:54,160
well as it did it's not about healing

111
00:09:58,990 --> 00:09:56,420
what my brother and I refer to as big

112
00:10:02,640 --> 00:09:59,000
letdown it off so still really pumped up

113
00:10:07,780 --> 00:10:06,100

Steve Smith hundred years from now

114

00:10:09,760 --> 00:10:07,790

people will look back on Hubble as

115

00:10:11,440 --> 00:10:09,770

having revolutionized the way we see

116

00:10:15,790 --> 00:10:11,450

ourselves in the universe how do you

117

00:10:17,440 --> 00:10:15,800

feel about having a part in that that's

118

00:10:19,330 --> 00:10:17,450

been a great honor to be a part of this

119

00:10:22,060 --> 00:10:19,340

we've always heard that Hubble was just

120

00:10:23,620 --> 00:10:22,070

a fantastic machine and actually be able

121

00:10:25,840 --> 00:10:23,630

to put our hands on it and work on it

122

00:10:27,040 --> 00:10:25,850

has that been very special I think it's

123

00:10:28,870 --> 00:10:27,050

gonna be one of the fondest memories of

124

00:10:33,550 --> 00:10:28,880

my head I only my career wasn't a stop

125

00:10:36,610 --> 00:10:33,560

it up my whole life this is marco from

126
00:10:39,340 --> 00:10:36,620
the Houston Chronicle and I'll asked us

127
00:10:41,650 --> 00:10:39,350
to Greg Harbaugh and if it's not in the

128
00:10:44,730 --> 00:10:41,660
right direction please sort it out but

129
00:10:48,400 --> 00:10:44,740
my question has to do really with the

130
00:10:50,710 --> 00:10:48,410
distance by what you sort of discovered

131
00:10:53,820 --> 00:10:50,720
the damage to the outer layer of the

132
00:10:56,380 --> 00:10:53,830
Space Telescope during the spacewalks

133
00:10:57,940 --> 00:10:56,390
wasn't clear to me whether you could see

134
00:10:59,740 --> 00:10:57,950
it from the crew cabin or it was

135
00:11:02,500 --> 00:10:59,750
something that sort of surprised you as

136
00:11:04,870 --> 00:11:02,510
you got right up on the telescope and I

137
00:11:07,660 --> 00:11:04,880
wonder if you might elaborate a little

138
00:11:11,260 --> 00:11:07,670

bit on on what you saw was there sort of

139

00:11:13,450 --> 00:11:11,270

extensive minor damage with with acute

140

00:11:15,370 --> 00:11:13,460

damage that you could repair or was

141

00:11:18,280 --> 00:11:15,380

there really more damage than you could

142

00:11:19,900 --> 00:11:18,290

get to that look bad you just could fix

143

00:11:22,030 --> 00:11:19,910

what you could with the amount of

144

00:11:25,340 --> 00:11:22,040

materials you had available to you for

145

00:11:30,630 --> 00:11:27,930

there was quite a bit of damage mark and

146

00:11:32,520 --> 00:11:30,640

my personal experience was I didn't

147

00:11:36,030 --> 00:11:32,530

realize how expensive it was until I got

148

00:11:39,090 --> 00:11:36,040

up close looked at it my impression and

149

00:11:41,460 --> 00:11:39,100

my assessment is that it's fairly

150

00:11:44,660 --> 00:11:41,470

superficial it's the outer layer or two

151
00:11:47,820 --> 00:11:44,670
of the multi-layer insulation that's

152
00:11:50,820 --> 00:11:47,830
just been cycled so many times in going

153
00:11:52,680 --> 00:11:50,830
through the thermal transitions for the

154
00:11:55,530 --> 00:11:52,690
millions of miles that this telescope is

155
00:11:58,590 --> 00:11:55,540
traveled that it's finally fatigued in

156
00:12:00,750 --> 00:11:58,600
some places and so it cracks and so you

157
00:12:03,000 --> 00:12:00,760
have these spider type cracks places a

158
00:12:08,400 --> 00:12:03,010
spider web site Craig's and other places

159
00:12:11,720 --> 00:12:08,410
would be long straight cracks and splits

160
00:12:15,120 --> 00:12:11,730
that sort of thing I think we repaired

161
00:12:18,180 --> 00:12:15,130
quite a bit of that I think we did we

162
00:12:20,820 --> 00:12:18,190
could do everything that frankly Ella

163
00:12:23,430 --> 00:12:20,830

based how much we were able to repair

164

00:12:26,210 --> 00:12:23,440

that of all that we had seen I think we

165

00:12:28,950 --> 00:12:26,220

left that telescope in really good shape

166

00:12:31,200 --> 00:12:28,960

thank you i have a question also for

167

00:12:33,540 --> 00:12:31,210

Mark Lee I wonder if you might be able

168

00:12:37,110 --> 00:12:33,550

to elaborate some on some comments you

169

00:12:39,900 --> 00:12:37,120

made about this set of spacewalks and

170

00:12:42,780 --> 00:12:39,910

what you see will be required for space

171

00:12:46,260 --> 00:12:42,790

station assembly were you heartened by

172

00:12:48,329 --> 00:12:46,270

what you could do to react and be

173

00:12:50,270 --> 00:12:48,339

flexible and the way you prepared for

174

00:12:53,130 --> 00:12:50,280

this do you see that sort of thing

175

00:12:55,230 --> 00:12:53,140

applying to the mini-assembly flights

176

00:12:57,180 --> 00:12:55,240

that astronauts will be required to

177

00:13:02,700 --> 00:12:57,190

undertake for the space station assembly

178

00:13:05,640 --> 00:13:02,710

a lot of I think most of it deals with

179

00:13:07,920 --> 00:13:05,650

preparation I would have to do for a

180

00:13:10,200 --> 00:13:07,930

plan spacewalk like this is cover every

181

00:13:12,180 --> 00:13:10,210

possibility I when you get up here

182

00:13:14,130 --> 00:13:12,190

there's no hardware store to go get

183

00:13:15,570 --> 00:13:14,140

another wrench or aluminum foil or

184

00:13:17,490 --> 00:13:15,580

anything you need so you have to think

185

00:13:19,320 --> 00:13:17,500

about everything that can go wrong and

186

00:13:21,960 --> 00:13:19,330

that's the key thing to carry forward to

187

00:13:23,310 --> 00:13:21,970

station so we're going to talk a lot

188

00:13:25,140 --> 00:13:23,320

about planning when we get back the

189

00:13:26,940 --> 00:13:25,150

other thing is we have a lot of space

190

00:13:29,760 --> 00:13:26,950

station tools up here are pistol grip

191

00:13:32,220 --> 00:13:29,770

tool a power tool a lot of the handrails

192

00:13:33,260 --> 00:13:32,230

that we have other components our space

193

00:13:36,230 --> 00:13:33,270

station era

194

00:13:38,900 --> 00:13:36,240

tools so they were great and I'm very

195

00:13:41,480 --> 00:13:38,910

confident about our ability to build

196

00:13:44,120 --> 00:13:41,490

space station in fact you know for the

197

00:13:45,830 --> 00:13:44,130

spacewalkers here today will probably

198

00:13:47,960 --> 00:13:45,840

take part in that so they've got we've

199

00:13:51,470 --> 00:13:47,970

got the experience to carry forward to

200

00:13:54,290 --> 00:13:51,480

station this is michelle koi din again

201
00:13:55,520 --> 00:13:54,300
for Greg Harbaugh what went through your

202
00:14:10,800 --> 00:13:55,530
mind when it looked like there might be

203
00:14:15,840 --> 00:14:13,070
I think that kind of speaks for itself

204
00:14:18,720 --> 00:14:15,850
we had such a great time on the first to

205
00:14:21,690 --> 00:14:18,730
the third would have been anything on

206
00:14:23,580 --> 00:14:21,700
the icing on the cake but the fact that

207
00:14:26,430 --> 00:14:23,590
we didn't do it was just fine with

208
00:14:29,160 --> 00:14:26,440
Joanna I think what we had the two that

209
00:14:31,260 --> 00:14:29,170
we did do was to experience of a

210
00:14:32,550 --> 00:14:31,270
lifetime I feel very very privileged to

211
00:14:36,930 --> 00:14:32,560
have been able to do what we already

212
00:14:39,750 --> 00:14:36,940
have been able to do and for Steve

213
00:14:41,370 --> 00:14:39,760

Hawley will be tough for you to hold out

214

00:14:48,300 --> 00:14:41,380

until May when the first images are

215

00:14:51,630 --> 00:14:48,310

supposed to be released well I fairly

216

00:14:53,190 --> 00:14:51,640

slowly we've been talking about how long

217

00:14:55,410 --> 00:14:53,200

it'll be before the instruments are

218

00:14:59,190 --> 00:14:55,420

fully checked out and we'll know exactly

219

00:15:03,350 --> 00:14:59,200

what capability Hubble has and we're

220

00:15:05,850 --> 00:15:03,360

really hopeful but of course until those

221

00:15:07,710 --> 00:15:05,860

instruments prove themselves they'll

222

00:15:09,630 --> 00:15:07,720

still be some uncertainty as to the

223

00:15:12,480 --> 00:15:09,640

capability but things have got very well

224

00:15:14,400 --> 00:15:12,490

up to now and my expectation is it that

225

00:15:19,230 --> 00:15:14,410

convey that will be very very pleased

226

00:15:22,410 --> 00:15:19,240

with the results this is Mark kuro again

227

00:15:24,960 --> 00:15:22,420

for Ken Bowersox could you talk a little

228

00:15:27,450 --> 00:15:24,970

bit about the intensity of the work a

229

00:15:30,060 --> 00:15:27,460

lot of the attention on the mission was

230

00:15:31,890 --> 00:15:30,070

focused on the spacewalk team but I

231

00:15:35,100 --> 00:15:31,900

wonder just sort of what the chemistry

232

00:15:37,470 --> 00:15:35,110

was like if you felt like you were

233

00:15:40,079 --> 00:15:37,480

pumped up all seven of you working hard

234

00:15:41,850 --> 00:15:40,089

trying to help each other if you're

235

00:15:43,680 --> 00:15:41,860

pretty tired at this point or whether

236

00:15:45,960 --> 00:15:43,690

you're sort of relaxed and ready to land

237

00:15:50,190 --> 00:15:45,970

or just kind of what the state of the

238

00:15:52,970 --> 00:15:50,200

state is up there I think the overall

239

00:15:55,920 --> 00:15:52,980

state of the crew right now is relaxed

240

00:15:58,829 --> 00:15:55,930

prepare to land we're ready to come home

241

00:16:00,660 --> 00:15:58,839

we're happy with what we've done from

242

00:16:02,250 --> 00:16:00,670

what I could see every minute we was

243

00:16:05,760 --> 00:16:02,260

work we were working as a seven-man team

244

00:16:08,430 --> 00:16:05,770

up here we were in two groups we had

245

00:16:10,500 --> 00:16:08,440

four people who concentrated on the VA and

246

00:16:12,180 --> 00:16:10,510

we had three people who concentrated on

247

00:16:14,790 --> 00:16:12,190

the orbiter and we did that to make

248

00:16:16,320 --> 00:16:14,800

training more efficient and just to be a

249

00:16:19,829 --> 00:16:16,330

little more efficient in how we divided

250

00:16:21,300 --> 00:16:19,839

tasks up but when one group was working

251
00:16:23,170 --> 00:16:21,310
on no particular part of the mission the

252
00:16:25,570 --> 00:16:23,180
other group was blowing strong for them

253
00:16:30,220 --> 00:16:25,580
and it's a great bunch of guys to be

254
00:16:32,230 --> 00:16:30,230
associated with I think and one question

255
00:16:33,730 --> 00:16:32,240
for socks could you tell us a little bit

256
00:16:35,320 --> 00:16:33,740
but I understand at Kennedy Space Center

257
00:16:36,850 --> 00:16:35,330
they're going to be new runway lights in

258
00:16:38,800 --> 00:16:36,860
and you were involved in some of that

259
00:16:45,190 --> 00:16:38,810
testing how is that going to help you

260
00:16:47,470 --> 00:16:45,200
with this night landing at KSC it's just

261
00:16:50,590 --> 00:16:47,480
a little bit tougher to judge our line

262
00:16:52,240 --> 00:16:50,600
up with the runway especially if you

263
00:16:54,700 --> 00:16:52,250

just have side lights there the runway

264

00:16:56,170 --> 00:16:54,710

it's tough to see the aspect changing as

265

00:16:58,870 --> 00:16:56,180

you drift left and right at the center

266

00:17:01,690 --> 00:16:58,880

line so at Kennedy Space Center we've

267

00:17:04,060 --> 00:17:01,700

added a strip of lights down the center

268

00:17:06,040 --> 00:17:04,070

to help us with that lineup task when

269

00:17:08,170 --> 00:17:06,050

we're in the air and also once the nose

270

00:17:09,730 --> 00:17:08,180

wheels on the ground so we have a line

271

00:17:11,560 --> 00:17:09,740

to steer for so we can be right on the

272

00:17:14,590 --> 00:17:11,570

center line stripe when we take the

273

00:17:16,900 --> 00:17:14,600

picture at the end and you guys have new

274

00:17:19,480 --> 00:17:16,910

shadow altitude holders the highest

275

00:17:21,940 --> 00:17:19,490

altitude since the Apollo program how

276

00:17:23,620 --> 00:17:21,950

different does the view look like from

277

00:17:29,140 --> 00:17:23,630

that high up versus your previous or

278

00:17:31,030 --> 00:17:29,150

lower orbit missions I could tell you my

279

00:17:33,850 --> 00:17:31,040

last mission was a relatively low about

280

00:17:36,190 --> 00:17:33,860

160 miles and the view from up here is

281

00:17:38,680 --> 00:17:36,200

absolutely fantastic a little while ago

282

00:17:40,180 --> 00:17:38,690

we were all amazed watching out the

283

00:17:43,300 --> 00:17:40,190

window you can see almost the entire

284

00:17:45,430 --> 00:17:43,310

United States in in one window as you

285

00:17:46,930 --> 00:17:45,440

look out the shuttle especially at night

286

00:17:48,670 --> 00:17:46,940

you can see the lights from all the way

287

00:17:51,070 --> 00:17:48,680

down to Key West all the way up north of

288

00:17:54,580 --> 00:17:51,080

New York and it's an absolutely

289

00:17:56,500 --> 00:17:54,590

fantastic sight it's just an incredibly

290

00:17:59,400 --> 00:17:56,510

a beautiful planet below us and fill out

291

00:18:01,660 --> 00:17:59,410

here we get a much better view point

292

00:18:03,610 --> 00:18:01,670

since this is probably one of the most

293

00:18:05,500 --> 00:18:03,620

important astronomy missions and you've

294

00:18:07,720 --> 00:18:05,510

really not made any any kind of

295

00:18:09,910 --> 00:18:07,730

astronomy observations driving in today

296

00:18:15,180 --> 00:18:09,920

we could really see a great view of hale

297

00:18:20,050 --> 00:18:17,890

hey Bob looks great and bare fact we

298

00:18:23,050 --> 00:18:20,060

downlink some video this morning of it

299

00:18:25,000 --> 00:18:23,060

from our perspective the TV cameras

300

00:18:26,560 --> 00:18:25,010

don't really do it justice in the

301

00:18:30,400 --> 00:18:26,570

binoculars that would carry on board

302

00:18:33,130 --> 00:18:30,410

it's it's a very spectacular appears to

303

00:18:35,620 --> 00:18:33,140

have two tails one tale about three

304

00:18:39,070 --> 00:18:35,630

times longer than the other

305

00:18:40,510 --> 00:18:39,080

really a tremendous site and this is a

306

00:18:42,970 --> 00:18:40,520

good place to observe it high above the

307

00:18:44,260 --> 00:18:42,980

atmosphere and and the other probably

308

00:18:46,330 --> 00:18:44,270

have you trying to get the ship dark

309

00:18:48,190 --> 00:18:46,340

enough so that you can get really well

310

00:18:50,770 --> 00:18:48,200

dark-adapted but it's a spectacular

311

00:18:53,650 --> 00:18:50,780

sight also in the morning sky you can

312

00:18:55,780 --> 00:18:53,660

see three planets rising just before the

313

00:18:58,360 --> 00:18:55,790

Sun and again that's a very spectacular

314

00:19:04,750 --> 00:18:58,370

view the crews enjoyed that first

315

00:19:07,090 --> 00:19:04,760

several days as a as a gaygent on how

316

00:19:09,520 --> 00:19:07,100

little things that can be overlooked and

317

00:19:12,490 --> 00:19:09,530

have such grave consequences during the

318

00:19:15,520 --> 00:19:12,500

first d e VA when you depressed and you

319

00:19:17,800 --> 00:19:15,530

saw the solar panel slew all the way to

320

00:19:19,960 --> 00:19:17,810

the hard stop like that can you give me

321

00:19:23,410 --> 00:19:19,970

your thoughts on what you what was going

322

00:19:26,680 --> 00:19:23,420

through your mind when you saw this you

323

00:19:33,550 --> 00:19:26,690

know something relatively minor having

324

00:19:34,840 --> 00:19:33,560

such a consequence about three of us

325

00:19:37,150 --> 00:19:34,850

were actually in the windows when that

326

00:19:40,150 --> 00:19:37,160

happened then my attention was diverted

327

00:19:42,790 --> 00:19:40,160

to the airlock depress and at that

328

00:19:45,910 --> 00:19:42,800

instant we didn't connect the two

329

00:19:48,400 --> 00:19:45,920

although our depressed weight was fairly

330

00:19:51,220 --> 00:19:48,410

rapid and i urgently requested the e VA

331

00:19:53,620 --> 00:19:51,230

guys to stop the depressed and then

332

00:19:57,730 --> 00:19:53,630

later we determined that those two

333

00:20:00,250 --> 00:19:57,740

events were were connected but our first

334

00:20:03,220 --> 00:20:00,260

thought was hey this cannot happen these

335

00:20:05,200 --> 00:20:03,230

solar rays cannot move that fast we know

336

00:20:06,760 --> 00:20:05,210

about the motors that drive the solar

337

00:20:08,650 --> 00:20:06,770

arrays and they will not drive the solar

338

00:20:11,350 --> 00:20:08,660

rays that mass so the first impression

339

00:20:12,880 --> 00:20:11,360

was one of disbelief when they finally

340

00:20:15,580 --> 00:20:12,890

settled out which only took a few

341

00:20:16,810 --> 00:20:15,590

seconds as you know we had to accept the

342

00:20:18,820 --> 00:20:16,820

fact that they were they didn't move

343

00:20:20,950 --> 00:20:18,830

that fast and we pressed on from there

344

00:20:24,280 --> 00:20:20,960

but we were actually I thought the

345

00:20:27,280 --> 00:20:24,290

cockpit was fairly calm in that moment