



1
00:02:00,800 --> 00:01:42,940

you

2
00:02:05,410 --> 00:02:00,810

for that great wakeup music I happen to

3
00:02:09,740 --> 00:02:07,670

good morning Katie thank you very much

4
00:02:11,300 --> 00:02:09,750

pleasure to be with you here thanks so

5
00:02:13,610 --> 00:02:11,310

much for joining us this is really a

6
00:02:16,090 --> 00:02:13,620

thrill doctor you of course have

7
00:02:20,800 --> 00:02:16,100

been in space rather than another

8
00:02:25,550 --> 00:02:23,180

physically I feel fine I think

9
00:02:27,500 --> 00:02:25,560

emotionally and psychologically I'm

10
00:02:29,290 --> 00:02:27,510

probably ready to go home but over all

11
00:02:33,530 --> 00:02:29,300

right today we all fared pretty well

12
00:02:35,630 --> 00:02:33,540

we're all healthy and now it's just a

13
00:02:39,050 --> 00:02:35,640

question to get back and get back into a

14

00:02:40,550 --> 00:02:39,060

our usual earthbound routine I'd like to

15

00:02:42,560 --> 00:02:40,560

talk with you about the staggered a

16

00:02:45,530 --> 00:02:42,570

little bit about the emotional and

17

00:02:48,229 --> 00:02:45,540

psychological effects are being in space

18

00:02:50,270 --> 00:02:48,239

and of this entire mission you've talked

19

00:02:53,000 --> 00:02:50,280

a little bit about cultural isolation

20

00:02:55,640 --> 00:02:53,010

you say that physiologically you're fine

21

00:02:57,800 --> 00:02:55,650

but the cultural isolation was a little

22

00:03:02,960 --> 00:02:57,810

tough to deal with can you explain that

23

00:03:04,520 --> 00:03:02,970

to us well actually I would say and I

24

00:03:06,770 --> 00:03:04,530

think I can honestly say I had no

25

00:03:08,900 --> 00:03:06,780

serious difficulties I worry really more

26
00:03:10,790 --> 00:03:08,910
about longer flights I knew going in and

27
00:03:13,100 --> 00:03:10,800
I've said this before I can do anything

28
00:03:15,410 --> 00:03:13,110
for three months and that was exactly

29
00:03:17,090 --> 00:03:15,420
the case and on board we got along fine

30
00:03:19,790 --> 00:03:17,100
and we're great friends now and probably

31
00:03:22,009 --> 00:03:19,800
will be for the rest of our lives still

32
00:03:24,229 --> 00:03:22,019
in all year long American on a Russian

33
00:03:26,060 --> 00:03:24,239
spacecraft no one else really speaks

34
00:03:28,130 --> 00:03:26,070
English and there were times when I went

35
00:03:30,590 --> 00:03:28,140
days without talking to our folks in the

36
00:03:32,060 --> 00:03:30,600
Mission Control Center in Moscow all of

37
00:03:34,460 --> 00:03:32,070
which adds up to a fair amount of

38
00:03:38,090 --> 00:03:34,470

isolation three months was no problem I

39

00:03:41,660 --> 00:03:38,100

i I'm probably as crazy as I was but no

40

00:03:44,270 --> 00:03:41,670

more so now than when I before I flew

41

00:03:45,920 --> 00:03:44,280

and I was our big problem for me but

42

00:03:48,890 --> 00:03:45,930

it's something we'll have to look at for

43

00:03:51,080 --> 00:03:48,900

longer flights Josiah how is being in

44

00:03:53,180 --> 00:03:51,090

space with Russians how does it compare

45

00:03:55,550 --> 00:03:53,190

to being in space with American

46

00:04:00,710 --> 00:03:55,560

in terms of how they do business up

47

00:04:03,410 --> 00:04:00,720

there as you might expect because it's

48

00:04:05,510 --> 00:04:03,420

the same business and they're really not

49

00:04:07,430 --> 00:04:05,520

very many good ways to do it the

50

00:04:11,000 --> 00:04:07,440

similarities are more striking than the

51
00:04:14,630 --> 00:04:11,010
differences the fact that they were were

52
00:04:17,509 --> 00:04:14,640
Russians did didn't seem to play a large

53
00:04:19,940 --> 00:04:17,519
role in what I saw going on and I'll say

54
00:04:21,860 --> 00:04:19,950
again there were really no problems from

55
00:04:23,750 --> 00:04:21,870
a crew in a relation standpoint all that

56
00:04:26,360 --> 00:04:23,760
work probably even better than most of

57
00:04:29,660 --> 00:04:26,370
us expected but the American who will be

58
00:04:32,120 --> 00:04:29,670
one person with two Russians and dealing

59
00:04:34,790 --> 00:04:32,130
with a mission control center in which

60
00:04:37,580 --> 00:04:34,800
everyone speaks Russian will add up to a

61
00:04:40,370 --> 00:04:37,590
fair amount of isolation commander

62
00:04:43,730 --> 00:04:40,380
Gibson hoot I just like to say that name

63
00:04:46,760 --> 00:04:43,740

who'd tell me why you think this mission

64

00:04:52,820 --> 00:04:46,770

was so crucial to the United States

65

00:04:54,920 --> 00:04:52,830

space program location if we're serious

66

00:04:56,360 --> 00:04:54,930

about doing an international space

67

00:05:00,350 --> 00:04:56,370

station and building an international

68

00:05:03,680 --> 00:05:00,360

space station and we are this flight is

69

00:05:05,390 --> 00:05:03,690

a carbon copy of what we're going to be

70

00:05:07,060 --> 00:05:05,400

doing with the International Space

71

00:05:10,100 --> 00:05:07,070

Station we're going to have

72

00:05:12,170 --> 00:05:10,110

multinational cruise we're going to fly

73

00:05:14,210 --> 00:05:12,180

the sort of maneuvers with space shuttle

74

00:05:17,000 --> 00:05:14,220

that we flew for the first time on this

75

00:05:18,950 --> 00:05:17,010

mission we're going to be transferring

76

00:05:21,290 --> 00:05:18,960

equipment we're going to be transferring

77

00:05:23,180 --> 00:05:21,300

people in short we're going to be doing

78

00:05:26,150 --> 00:05:23,190

all the sorts of things that we did on

79

00:05:29,180 --> 00:05:26,160

sds 71 with international space station

80

00:05:31,190 --> 00:05:29,190

and so this has been a real proving

81

00:05:34,250 --> 00:05:31,200

ground for us and it was something that

82

00:05:36,520 --> 00:05:34,260

we needed to do correctly and and I

83

00:05:39,230 --> 00:05:36,530

believe we haven't and I hope we have

84

00:05:41,390 --> 00:05:39,240

sorry now that the clinical part of your

85

00:05:43,940 --> 00:05:41,400

mission is over but will you all be

86

00:05:46,700 --> 00:05:43,950

doing on the way home is Right seen what

87

00:05:51,100 --> 00:05:46,710

kind of things will you be busy getting

88

00:05:57,230 --> 00:05:54,350

ok we have been running pretty fast and

89

00:05:59,810 --> 00:05:57,240

hard for the last how many days has it

90

00:06:01,010 --> 00:05:59,820

been down further for the last stage of

91

00:06:03,650 --> 00:06:01,020

the mission that the whole time that

92

00:06:05,300 --> 00:06:03,660

we've been up here and we've had very

93

00:06:06,770 --> 00:06:05,310

little time to look out the window hours

94

00:06:08,360 --> 00:06:06,780

observation folks are going to be

95

00:06:09,950 --> 00:06:08,370

unhappy with us because we haven't shot

96

00:06:11,390 --> 00:06:09,960

very many pictures of the earth just

97

00:06:13,010 --> 00:06:11,400

because we've been running so hard to

98

00:06:16,160 --> 00:06:13,020

get all the things done that we had to

99

00:06:19,010 --> 00:06:16,170

do and that we want it to get done we

100

00:06:22,160 --> 00:06:19,020

are going to be continuing with with

101
00:06:24,860 --> 00:06:22,170
medical data getting situation medical

102
00:06:27,920 --> 00:06:24,870
data on on our test subjects which are

103
00:06:29,330 --> 00:06:27,930
the mere 18 crew and and getting the

104
00:06:31,100 --> 00:06:29,340
orbiter generally ready to come back

105
00:06:32,570 --> 00:06:31,110
home we do have a little bit more

106
00:06:34,070 --> 00:06:32,580
breathing room in the next couple of

107
00:06:36,770 --> 00:06:34,080
days to get everything ready to come

108
00:06:38,360 --> 00:06:36,780
back so that's the first thing you're

109
00:06:46,700 --> 00:06:38,370
going to do when they just that space

110
00:06:49,430 --> 00:06:46,710
suit and get back on on earth try to do

111
00:06:51,140 --> 00:06:49,440
is stand up if I'm able to head then

112
00:06:52,910 --> 00:06:51,150
after that I hope my family will be

113
00:06:55,040 --> 00:06:52,920

there and I'd like to give out of my

114

00:06:57,050 --> 00:06:55,050

wife and my kids life or the hugs and

115

00:06:58,940 --> 00:06:57,060

kisses I know you really missed some

116

00:07:02,180 --> 00:06:58,950

gentlemen but every bit is that sign

117

00:07:12,920 --> 00:07:02,190

behind you say I love eaa what does that

118

00:07:15,409 --> 00:07:12,930

mean the entire crew members of the

119

00:07:17,630 --> 00:07:15,419

Experimental Aircraft Association which

120

00:07:20,510 --> 00:07:17,640

is an outfit out of Oshkosh Wisconsin

121

00:07:23,690 --> 00:07:20,520

and before we launched couple of us are

122

00:07:25,430 --> 00:07:23,700

already were members and like before we

123

00:07:28,150 --> 00:07:25,440

wash all of the whole entire crew became

124

00:07:30,770 --> 00:07:28,160

ever so that's kind of our group I guess

125

00:07:32,780 --> 00:07:30,780

where that's the kind of that money

126
00:07:39,830 --> 00:07:32,790
can't buy gentlemen thank you so much

127
00:07:41,300 --> 00:07:39,840
for talking with us this morning this is

128
00:07:43,700 --> 00:07:41,310
Mission Control Houston at a mission

129
00:07:46,130 --> 00:07:43,710
elapse time of seven days 15 hours 28

130
00:07:48,020 --> 00:07:46,140
minutes into the flight of Atlantis this

131
00:07:50,270 --> 00:07:48,030
live television coming from the shuttles

132
00:07:53,060 --> 00:07:50,280
space lab science workshop in the rear

133
00:07:55,580 --> 00:07:53,070
of Atlantis's cargo bay as the orbiter

134
00:07:58,580 --> 00:07:55,590
passes out over the Pacific Ocean east

135
00:08:00,529 --> 00:07:58,590
of the Indonesian chain everything

136
00:08:02,570 --> 00:08:00,539
aboard atlantis in good working order as

137
00:08:04,960 --> 00:08:02,580
u.s. astronaut norm

138
00:08:08,540 --> 00:08:04,970

in the background of the Space Lab there

139

00:08:12,320 --> 00:08:08,550

begins to prepare himself for the

140

00:08:21,700 --> 00:08:12,330

donning we have switched to TBC 3 at

141

00:08:24,589 --> 00:08:21,710

this time saggart is preparing to done

142

00:08:27,260 --> 00:08:24,599

baroreflex equipment that's the the neck

143

00:08:30,649 --> 00:08:27,270

cuff that he and his crew mates from the

144

00:08:33,259 --> 00:08:30,659

muir 18 mission will wear for several

145

00:08:35,560 --> 00:08:33,269

hours of testing of their cardiovascular

146

00:08:39,230 --> 00:08:35,570

response to prolonged weightlessness

147

00:08:40,610 --> 00:08:39,240

thagard zuroff vladimir du jour off the

148

00:08:43,579 --> 00:08:40,620

mere 18 commander in flight engineer

149

00:08:47,210 --> 00:08:43,589

Gennady struck a lof are in their 113th

150

00:08:48,500 --> 00:08:47,220

day in orbit if Atlantis lands on Friday

151
00:08:50,360 --> 00:08:48,510
at the Kennedy Space Center weather

152
00:08:53,480 --> 00:08:50,370
permitting they will have completed a

153
00:08:58,190 --> 00:08:53,490
journey of 115 days aboard the MIR space

154
00:08:59,990 --> 00:08:58,200
station and the shuttle Atlantis again

155
00:09:02,150 --> 00:09:00,000
this live television from the shuttle

156
00:09:04,850 --> 00:09:02,160
space lab module showing astronaut

157
00:09:07,160 --> 00:09:04,860
Bonnie Dunbar in the science workshop as

158
00:09:09,680 --> 00:09:07,170
she continues to collect biomedical data

159
00:09:12,800 --> 00:09:09,690
from the mere 18 cosmonauts using the

160
00:09:15,170 --> 00:09:12,810
baroreflex device the neck collar which

161
00:09:18,139 --> 00:09:15,180
is measuring cardiovascular performance

162
00:09:21,290 --> 00:09:18,149
of the two cosmonauts and u.s. astronaut

163
00:09:33,570 --> 00:09:21,300

norm thagard who are in their 113th day

164

00:09:42,250 --> 00:09:38,650

go ahead charlie babe we've got

165

00:09:53,070 --> 00:09:42,260

everything hooked up that securely up

166

00:09:53,080 --> 00:10:01,619

am I

167

00:10:17,300 --> 00:10:10,929

Lana's Charlie or go for step 16 okay 15

168

00:10:17,310 --> 00:10:24,720

affirmative charlie 15 and 16

169

00:10:29,930 --> 00:10:27,540

this is Mission Control Houston activity

170

00:10:33,720 --> 00:10:29,940

in the space lab science module as

171

00:10:35,699 --> 00:10:33,730

payload commander Ellen Baker and mere

172

00:10:41,670 --> 00:10:35,709

18 flight engineer Gennady struck aloft

173

00:10:46,400 --> 00:10:41,680

help we're complete with 16 and we'll

174

00:10:49,050 --> 00:10:46,410

get started on kpa up we've got 24

175

00:10:50,519 --> 00:10:49,060

pictures to set down to you in the first

176
00:10:53,639 --> 00:10:50,529
batch and then we'll have some more

177
00:10:55,759 --> 00:10:53,649
after that as well I was thinking that

178
00:10:58,259 --> 00:10:55,769
if we could get some down like time

179
00:11:00,960 --> 00:10:58,269
earlier in the day that we do is get in

180
00:11:05,040 --> 00:11:00,970
the head caught back up with every one

181
00:11:18,280 --> 00:11:05,050
of the headset via copy will coordinate

182
00:11:22,480 --> 00:11:20,319
this is Mission Control Houston at a

183
00:11:24,220 --> 00:11:22,490
mission elapse time of seven days 17

184
00:11:28,030 --> 00:11:24,230
hours 36 minutes into the flight of

185
00:11:29,860 --> 00:11:28,040
Atlantis this picture are coming live

186
00:11:36,120 --> 00:11:29,870
from the shuttle Atlantis of space lab

187
00:11:42,699 --> 00:11:40,090
kissin Park copies on thank you this

188
00:11:44,499 --> 00:11:42,709

picture shows dr. Ellen Baker and mere

189

00:11:47,019 --> 00:11:44,509

18 flight engineer Gennady struggle off

190

00:11:48,910 --> 00:11:47,029

collecting biomedical data on u.s.

191

00:11:50,579 --> 00:11:48,920

astronaut norm thagard who is in the

192

00:11:52,420 --> 00:11:50,589

lower body negative pressure device

193

00:11:54,370 --> 00:11:52,430

meantime on the right side of your

194

00:11:56,439 --> 00:11:54,380

picture astronaut Bonnie Dunbar is

195

00:11:58,300 --> 00:11:56,449

working with a mere 18 commander

196

00:12:00,100 --> 00:11:58,310

vladimir toujours off this picture

197

00:12:16,449 --> 00:12:00,110

pretty much says it all as far as the

198

00:12:19,600 --> 00:12:16,459

day's work in orbit is concerned Bonnie

199

00:16:49,610 --> 00:12:19,610

we do not have live down link at this

200

00:16:57,800 --> 00:16:52,640

and far as you can see the Space Lab is

201

00:17:08,050 --> 00:16:57,810

a beehive of activity today thank you

202

00:17:15,440 --> 00:17:10,310

Lana's we are a minute and a half to

203

00:17:19,190 --> 00:17:15,450

attend SMOS interbank at 23 hours and 26

204

00:17:21,790 --> 00:17:19,200

minutes you can keep down Linkin KCA