



1  
00:02:48,869 --> 00:02:08,790

so

2  
00:02:59,350 --> 00:02:50,949

and good morning you magnificent men and

3  
00:03:02,710 --> 00:03:00,869

good morning houston and thanks for the

4  
00:03:07,750 --> 00:03:02,720

magnificent music

5  
00:03:07,760 --> 00:03:31,190

and good morning eileen

6  
00:03:42,470 --> 00:03:32,949

and charlie and jean-francois with you

7  
00:03:45,750 --> 00:03:44,070

and atlantis houston we're on board

8  
00:06:17,830 --> 00:03:45,760

looking into the space hab hello jean

9  
00:06:17,840 --> 00:06:23,430

go ahead for biorack

10  
00:06:36,390 --> 00:06:27,510

for 11 step 6.

11  
00:06:39,510 --> 00:06:38,150

atlantis houston for the folks in the

12  
00:07:03,909 --> 00:06:39,520

space hub we're looking over your

13  
00:07:08,870 --> 00:07:06,390

atlantis houston in preparation for the

14

00:07:10,870 --> 00:07:08,880

upcoming biorec activity per our

15

00:07:12,309 --> 00:07:10,880

pre-flight agreement we think it'd be

16

00:07:21,749 --> 00:07:12,319

more efficient to split the air to

17

00:07:25,110 --> 00:07:23,510

roger that chris and uh would you like

18

00:07:26,469 --> 00:07:25,120

us to configure for underground two back

19

00:07:28,790 --> 00:07:26,479

in half

20

00:07:32,150 --> 00:07:28,800

affirmative and we're setting up the cic

21

00:08:28,950 --> 00:07:34,070

okay we'll go underground two in the hab

22

00:08:32,149 --> 00:08:30,309

we got a good centerline image we'll

23

00:08:34,550 --> 00:08:32,159

downlink that to you now

24

00:08:41,430 --> 00:08:34,560

we see it charlie and it uh it's a good

25

00:08:44,949 --> 00:08:42,709

chris the

26  
00:08:46,310 --> 00:08:44,959  
the green cross here is not dead center

27  
00:08:48,710 --> 00:08:46,320  
it's

28  
00:09:11,110 --> 00:08:48,720  
tangent to the four o'clock position of

29  
00:09:15,910 --> 00:09:13,430  
tell me aren't you a bit scared about

30  
00:09:17,590 --> 00:09:15,920  
boarding the russian space station

31  
00:09:21,509 --> 00:09:17,600  
because it's been a pretty dangerous

32  
00:09:25,590 --> 00:09:23,829  
no the most difficult thing we did uh we

33  
00:09:27,670 --> 00:09:25,600  
did yesterday and that was the liftoff

34  
00:09:29,670 --> 00:09:27,680  
and that has by far the highest risks in

35  
00:09:32,550 --> 00:09:29,680  
it because you're going from zero miles

36  
00:09:33,670 --> 00:09:32,560  
an hour to 20 uh 17 000 miles per hour

37  
00:09:35,509 --> 00:09:33,680  
and when you're traveling at that kind

38  
00:09:36,949 --> 00:09:35,519

of speed it's also quite hard to know

39

00:09:38,470 --> 00:09:36,959

over which part of the country you are

40

00:09:39,430 --> 00:09:38,480

at any one time because you're moving so

41

00:09:41,509 --> 00:09:39,440

fast

42

00:09:43,829 --> 00:09:41,519

we've done that we're in space we have

43

00:09:45,430 --> 00:09:43,839

all that energy now we're in all this

44

00:09:47,590 --> 00:09:45,440

and the rest of it is actually quite a

45

00:09:49,829 --> 00:09:47,600

lot easier

46

00:09:52,710 --> 00:09:49,839

thank you michael can i first of all ask

47

00:09:54,949 --> 00:09:52,720

you um how do you view the prospect of

48

00:09:58,070 --> 00:09:54,959

more than four months on mir will you be

49

00:10:01,190 --> 00:09:59,829

uh no i don't think so there are two

50

00:10:03,269 --> 00:10:01,200

other people going to be on board that

51  
00:10:05,750 --> 00:10:03,279  
spacecraft with me and uh that's the

52  
00:10:08,070 --> 00:10:05,760  
city superlative and sasha lazukin i

53  
00:10:09,670 --> 00:10:08,080  
already know them well and uh have spent

54  
00:10:11,350 --> 00:10:09,680  
some time with them both in russia where

55  
00:10:13,750 --> 00:10:11,360  
i lived for a year and a half and then

56  
00:10:14,949 --> 00:10:13,760  
uh also on travel with them

57  
00:10:16,550 --> 00:10:14,959  
in houston

58  
00:10:19,110 --> 00:10:16,560  
and as a result i feel quite close to

59  
00:10:21,190 --> 00:10:19,120  
them and we've exchanged some messages

60  
00:10:22,310 --> 00:10:21,200  
before my arrival

61  
00:10:23,829 --> 00:10:22,320  
and

62  
00:10:26,949 --> 00:10:23,839  
my email that is

63  
00:10:28,630 --> 00:10:26,959

as well as also uh by radio from russia

64

00:10:30,310 --> 00:10:28,640

from my house in russia

65

00:10:31,750 --> 00:10:30,320

so i thought i'm going to be uh with

66

00:10:34,470 --> 00:10:31,760

friends and so i won't be feeling

67

00:10:36,790 --> 00:10:34,480

particularly lonely in any way

68

00:10:38,710 --> 00:10:36,800

how confident are you that mir will be

69

00:10:42,790 --> 00:10:38,720

safe because it has had some serious

70

00:10:45,670 --> 00:10:44,389

well i i don't know

71

00:10:47,670 --> 00:10:45,680

if other people see it this way but i

72

00:10:50,710 --> 00:10:47,680

see the mirror is a very successful but

73

00:10:52,870 --> 00:10:50,720

old um car in a way it's it's been in

74

00:10:55,030 --> 00:10:52,880

space up to 13 years and they've been

75

00:10:57,670 --> 00:10:55,040

putting uh new parts in replacing all

76

00:10:59,190 --> 00:10:57,680

parts and if anyone's had a an old car

77

00:11:01,509 --> 00:10:59,200

and maintained it you know that as you

78

00:11:03,829 --> 00:11:01,519

keep on adding and repairing things

79

00:11:06,470 --> 00:11:03,839

continue to break around those new parts

80

00:11:08,389 --> 00:11:06,480

and that's really a fact uh

81

00:11:09,670 --> 00:11:08,399

a function of the fact that the mir is

82

00:11:11,509 --> 00:11:09,680

living a lot longer than it was

83

00:11:13,829 --> 00:11:11,519

originally designed

84

00:11:15,110 --> 00:11:13,839

and uh yes there has been some problems

85

00:11:17,030 --> 00:11:15,120

but none of these are ever big

86

00:11:20,230 --> 00:11:17,040

showstoppers they are serious to some

87

00:11:22,550 --> 00:11:20,240

extent but we can always continue to uh

88

00:11:24,069 --> 00:11:22,560

repair improvise and work around those

89

00:11:27,670 --> 00:11:24,079

problems and the russians have been

90

00:11:29,670 --> 00:11:27,680

extremely good at doing that today

91

00:11:31,670 --> 00:11:29,680

now this is all in preparation for the

92

00:11:34,230 --> 00:11:31,680

international space station which is due

93

00:11:40,829 --> 00:11:34,240

to be uh built soon in orbit uh what do

94

00:11:46,310 --> 00:11:44,470

station the space station program base

95

00:11:48,470 --> 00:11:46,320

the space station program is basically

96

00:11:49,670 --> 00:11:48,480

uh conceived to conduct science and

97

00:11:52,230 --> 00:11:49,680

operations

98

00:11:56,230 --> 00:11:52,240

uh development in space

99

00:11:58,550 --> 00:11:56,240

and a big big part of that is the um

100

00:12:01,910 --> 00:11:58,560

endeavor of international countries

101  
00:12:03,430 --> 00:12:01,920  
working together to achieve those goals

102  
00:12:06,230 --> 00:12:03,440  
as a result of an international

103  
00:12:08,389 --> 00:12:06,240  
cooperation in space you not only get a

104  
00:12:09,990 --> 00:12:08,399  
a good science platform in orbit around

105  
00:12:11,990 --> 00:12:10,000  
the earth in which many many

106  
00:12:14,790 --> 00:12:12,000  
investigators from other countries can

107  
00:12:16,790 --> 00:12:14,800  
all work in or send experiments to

108  
00:12:18,710 --> 00:12:16,800  
you also get the experience of many

109  
00:12:21,350 --> 00:12:18,720  
countries working together

110  
00:12:23,990 --> 00:12:21,360  
and uh working in a great project

111  
00:12:26,629 --> 00:12:24,000  
which i see is leading us eventually out

112  
00:12:27,910 --> 00:12:26,639  
of earth orbit to the moon and to mars

113  
00:12:29,670 --> 00:12:27,920

and

114

00:12:31,750 --> 00:12:29,680

settle other planets

115

00:12:34,230 --> 00:12:31,760

now i put a question to the commander

116

00:12:36,949 --> 00:12:34,240

charles precourt uh what's it like

117

00:12:44,550 --> 00:12:36,959

having a british astronaut among you is

118

00:12:47,829 --> 00:12:46,629

he's warning me that i better say yes to

119

00:12:50,790 --> 00:12:47,839

that one

120

00:12:53,110 --> 00:12:50,800

mike's a great asset to the nasa program

121

00:12:55,430 --> 00:12:53,120

and he brings a load of experience from

122

00:12:57,590 --> 00:12:55,440

a lot of different areas to us

123

00:12:59,190 --> 00:12:57,600

and you know he kind of hinted at the

124

00:13:00,790 --> 00:12:59,200

fact that the benefits of an

125

00:13:02,470 --> 00:13:00,800

international space station is that the

126

00:13:04,629 --> 00:13:02,480

fact that we bring together the talents

127

00:13:07,590 --> 00:13:04,639

of many different nations and in fact

128

00:13:09,269 --> 00:13:07,600

many different cultures and new ideas

129

00:13:11,269 --> 00:13:09,279

bring new ways of doing things and we

130

00:13:13,190 --> 00:13:11,279

discover new things together so yeah

131

00:13:14,790 --> 00:13:13,200

mike is a great asset we're going to

132

00:13:16,310 --> 00:13:14,800

miss him when we close the hatch but

133

00:13:19,030 --> 00:13:16,320

we're glad that he's representing us

134

00:13:28,629 --> 00:13:21,430

mike again can i ask you um what are you

135

00:13:32,230 --> 00:13:30,470

well that's a hard thing to answer

136

00:13:33,829 --> 00:13:32,240

because when you're looking at a flight

137

00:13:34,870 --> 00:13:33,839

that goes on for four and a half months

138

00:13:37,430 --> 00:13:34,880

or more

139

00:13:38,629 --> 00:13:37,440

um there's a whole number of events

140

00:13:40,629 --> 00:13:38,639

and of course you always choose the

141

00:13:42,310 --> 00:13:40,639

operational ones as being the most

142

00:13:44,230 --> 00:13:42,320

glamorous and therefore you say the most

143

00:13:45,670 --> 00:13:44,240

interesting well

144

00:13:47,590 --> 00:13:45,680

and there are one or two out there there

145

00:13:49,590 --> 00:13:47,600

are evas being done by the russian

146

00:13:52,069 --> 00:13:49,600

cosmonauts they're also we're going to

147

00:13:53,350 --> 00:13:52,079

get in the soyuz spacecraft at one point

148

00:13:55,750 --> 00:13:53,360

uh put on our

149

00:13:57,910 --> 00:13:55,760

spacesuits leave the space station near

150

00:13:59,590 --> 00:13:57,920

in the soyuz and then fly around to the

151

00:14:01,350 --> 00:13:59,600

back side of the mirror and join up

152

00:14:03,509 --> 00:14:01,360

again with it so we'll get a nice fly

153

00:14:05,829 --> 00:14:03,519

around to the station i'm sure that will

154

00:14:08,470 --> 00:14:05,839

be a great thing a single event to look

155

00:14:09,670 --> 00:14:08,480

forward to but really the best thing is

156

00:14:12,870 --> 00:14:09,680

actually just

157

00:14:15,189 --> 00:14:12,880

um living calmly and easily in space

158

00:14:23,590 --> 00:14:15,199

with two friends and uh spending time

159

00:14:27,910 --> 00:14:25,189

uh houston atlanta's time back in the

160

00:14:27,920 --> 00:14:42,069

we've got you on the downlink

161

00:14:42,079 --> 00:14:52,790

and eileen ecom is happy with the bag