



1
00:00:05,829 --> 00:00:04,150
and this is its stove configuration

2
00:00:08,070 --> 00:00:05,839
on the floor we have

3
00:00:09,350 --> 00:00:08,080
and we're trying to change this uh

4
00:00:10,390 --> 00:00:09,360
because i don't think this is the best

5
00:00:11,350 --> 00:00:10,400
place but

6
00:00:13,270 --> 00:00:11,360
uh

7
00:00:15,110 --> 00:00:13,280
everything in space station world needs

8
00:00:16,790 --> 00:00:15,120
to be negotiated and that's okay we're

9
00:00:17,750 --> 00:00:16,800
not in a hurry even though we're going

10
00:00:20,790 --> 00:00:17,760
fast

11
00:00:23,029 --> 00:00:20,800
these are our this is our our pond or

12
00:00:24,870 --> 00:00:23,039
our wall of water that's down here

13
00:00:26,710 --> 00:00:24,880

we have different kinds of water and

14

00:00:28,630 --> 00:00:26,720

these are called contingency water

15

00:00:30,390 --> 00:00:28,640

containers cwc's

16

00:00:32,470 --> 00:00:30,400

and you can see different kinds there's

17

00:00:34,150 --> 00:00:32,480

water that you can drink and water that

18

00:00:35,430 --> 00:00:34,160

you can use for other things like flush

19

00:00:37,270 --> 00:00:35,440

water or

20

00:00:38,950 --> 00:00:37,280

generating oxygen

21

00:00:41,750 --> 00:00:38,960

now here's the airlock

22

00:00:42,950 --> 00:00:41,760

uh as we go the quest airlock i'll turn

23

00:00:45,750 --> 00:00:42,960

on some

24

00:00:48,549 --> 00:00:45,760

lights as we get in there and usually we

25

00:00:50,470 --> 00:00:48,559

don't uh you know go in here every day

26

00:00:52,310 --> 00:00:50,480

we do try to uh

27

00:00:54,709 --> 00:00:52,320

keep it fairly clean and i'm in the

28

00:00:57,910 --> 00:00:54,719

middle of doing an inventory for the

29

00:01:01,270 --> 00:00:57,920

15a crew as they come up here the

30

00:01:04,469 --> 00:01:01,280

airlock is with women's view usos

31

00:01:06,070 --> 00:01:04,479

american style modules that doesn't have

32

00:01:08,710 --> 00:01:06,080

a single light switch you have to turn

33

00:01:14,149 --> 00:01:10,710

every light as uh

34

00:01:18,550 --> 00:01:15,830

but uh from here

35

00:01:20,469 --> 00:01:18,560

many many evas extra vehicular activity

36

00:01:23,510 --> 00:01:20,479

spacewalks have been conducted

37

00:01:27,109 --> 00:01:23,520

uh there's uh in the back of this room

38

00:01:28,950 --> 00:01:27,119

this crew lock is a uh it's a hatch that

39

00:01:33,270 --> 00:01:28,960

goes outside in this

40

00:01:37,350 --> 00:01:35,350

so uh you can see that hatch right there

41

00:01:39,350 --> 00:01:37,360

in the meantime we're kind of storing

42

00:01:43,030 --> 00:01:39,360

eva related things here

43

00:01:45,590 --> 00:01:43,040

you can see this is a safer which is a

44

00:01:47,429 --> 00:01:45,600

kind of a jet backpack that we wear on

45

00:01:49,910 --> 00:01:47,439

the outside of our spacesuits in case we

46

00:01:52,630 --> 00:01:49,920

get separated from the spaceship we can

47

00:01:54,389 --> 00:01:52,640

we can fly our way back in that's safer

48

00:01:55,830 --> 00:01:54,399

is pretty neat the russian spacesuits

49

00:01:58,789 --> 00:01:55,840

which are many good things about them

50

00:02:01,590 --> 00:01:58,799

but they don't have a safer

51
00:02:04,630 --> 00:02:01,600
so this is uh all of our stuff as we're

52
00:02:07,030 --> 00:02:04,640
getting ready for uh sts-119 you can see

53
00:02:09,510 --> 00:02:07,040
already starting a tool bag

54
00:02:10,790 --> 00:02:09,520
usually uh again everything's spread out

55
00:02:13,190 --> 00:02:10,800
more than it usually is but we're

56
00:02:16,550 --> 00:02:13,200
putting together many workstations

57
00:02:18,150 --> 00:02:16,560
for swanny and ricky and joe as they get

58
00:02:20,550 --> 00:02:18,160
ready to go outside

59
00:02:23,030 --> 00:02:20,560
so that's what the airlock looks like at

60
00:02:25,110 --> 00:02:23,040
the moment

61
00:02:29,030 --> 00:02:25,120
now node 1

62
00:02:33,110 --> 00:02:31,030
on sts-88

63
00:02:34,229 --> 00:02:33,120

node 1 is getting kind of kind of

64

00:02:37,509 --> 00:02:34,239

crowded

65

00:02:40,070 --> 00:02:37,519

and but but it's also a lot of place uh

66

00:02:42,390 --> 00:02:40,080

good places for storage here's our tool

67

00:02:44,710 --> 00:02:42,400

box one of my favorite places to go

68

00:02:45,910 --> 00:02:44,720

every day and i have to go every day to

69

00:02:48,150 --> 00:02:45,920

the toolbox

70

00:02:50,070 --> 00:02:48,160

we have a zero g stowage rack the kind

71

00:02:53,030 --> 00:02:50,080

of things we have in here computer parts

72

00:02:55,910 --> 00:02:53,040

usually we have some lithium

73

00:02:57,670 --> 00:02:55,920

hydroxide canisters that the shuttle

74

00:02:59,990 --> 00:02:57,680

here in case we have a subtle

75

00:03:02,309 --> 00:03:00,000

contingency we throw away all of our

76

00:03:04,070 --> 00:03:02,319

empty food containers in here

77

00:03:06,390 --> 00:03:04,080

and as we float up on the ceiling we

78

00:03:09,830 --> 00:03:06,400

have a lot of places where where we keep

79

00:03:12,949 --> 00:03:09,840

our uh office uh kind of things paper

80

00:03:14,070 --> 00:03:12,959

pens things like that as well as uh as

81

00:03:15,910 --> 00:03:14,080

well as

82

00:03:18,309 --> 00:03:15,920

tools and scope meters and things like

83

00:03:21,750 --> 00:03:18,319

that

84

00:03:23,350 --> 00:03:21,760

i remember being a capcom on sts 96 when

85

00:03:30,309 --> 00:03:23,360

i first saw these signs that's pretty

86

00:03:34,550 --> 00:03:32,789

wireless access point that's number one

87

00:03:36,470 --> 00:03:34,560

we have three total

88

00:03:38,229 --> 00:03:36,480

this is the pressurized mating adapter

89

00:03:40,630 --> 00:03:38,239

pma

90

00:03:42,070 --> 00:03:40,640

and uh inside this is where we keep all

91

00:03:43,750 --> 00:03:42,080

of our clothes not all of our clothes

92

00:03:46,550 --> 00:03:43,760

because we got a lot of clothes but this

93

00:03:49,589 --> 00:03:46,560

is a lot of our clothes as well as other

94

00:03:50,630 --> 00:03:49,599

soft goods like hygiene items uh towels

95

00:03:52,070 --> 00:03:50,640

wipes

96

00:03:58,550 --> 00:03:52,080

shaving cream

97

00:04:02,949 --> 00:04:00,470

and now we're gonna

98

00:04:04,630 --> 00:04:02,959

fly and we're gonna run out of light

99

00:04:07,030 --> 00:04:04,640

so i'm gonna turn off the camera for a

100

00:04:09,750 --> 00:04:07,040

second and put on a light

101
00:04:11,589 --> 00:04:09,760
okay back with you i have a headlight on

102
00:04:12,630 --> 00:04:11,599
well not on my head it's actually on the

103
00:04:14,869 --> 00:04:12,640
camera

104
00:04:16,789 --> 00:04:14,879
and we're floating into the russian side

105
00:04:19,110 --> 00:04:16,799
of things

106
00:04:20,789 --> 00:04:19,120
first and foremost we are now in the

107
00:04:23,670 --> 00:04:20,799
pressurized adapter part of the

108
00:04:27,350 --> 00:04:23,680
functional cargo block we called the ah

109
00:04:28,790 --> 00:04:27,360
and it's also a docking port down below

110
00:04:31,909 --> 00:04:28,800
as you carefully

111
00:04:34,230 --> 00:04:31,919
look down below you can see the hatches

112
00:04:36,469 --> 00:04:34,240
and inside the that what you can see in

113
00:04:37,749 --> 00:04:36,479

front of us is a uh the docking

114

00:04:40,150 --> 00:04:37,759

mechanism

115

00:04:42,710 --> 00:04:40,160

for the soyuz the soyuz is our launch

116

00:04:44,710 --> 00:04:42,720

vehicle we yuri and i and richard

117

00:04:46,629 --> 00:04:44,720

garriott launched here it's also our

118

00:04:49,189 --> 00:04:46,639

landing vehicle where probably yuri and

119

00:04:50,390 --> 00:04:49,199

i are going to be landing in the soyuz

120

00:04:54,230 --> 00:04:50,400

along with

121

00:04:56,310 --> 00:04:54,240

right now

122

00:04:58,469 --> 00:04:56,320

it's our lifeboat in case anything goes

123

00:04:59,909 --> 00:04:58,479

wrong so we have uh our lightbulb kind

124

00:05:02,469 --> 00:04:59,919

of things in here

125

00:05:04,150 --> 00:05:02,479

our spacesuits are ready

126

00:05:05,749 --> 00:05:04,160

we still have a little bit of unpacking

127

00:05:08,070 --> 00:05:05,759

to do but uh you can see things are

128

00:05:10,469 --> 00:05:08,080

really crowded in fgv that we thought

129

00:05:12,950 --> 00:05:10,479

it's best to leave it in the soyuz since

130

00:05:15,350 --> 00:05:12,960

we still have about two months

131

00:05:17,029 --> 00:05:15,360

before we go home

132

00:05:20,230 --> 00:05:17,039

two and a half months actually so this

133

00:05:23,670 --> 00:05:20,240

is the pressure the living compartment

134

00:05:27,430 --> 00:05:25,189

and it's a

135

00:05:29,670 --> 00:05:27,440

a bit cramped in here

136

00:05:31,909 --> 00:05:29,680

and we'll stop in the bed on our way up

137

00:05:35,189 --> 00:05:31,919

and we'll just keep diving down in here

138

00:05:38,390 --> 00:05:35,199

and we'll get into our landing module

139

00:05:40,150 --> 00:05:38,400

uh called the essa

140

00:05:46,150 --> 00:05:40,160

and this is the place where we sit for

141

00:05:53,029 --> 00:05:49,749

and this is this yuri seat right here

142

00:05:54,710 --> 00:05:53,039

my seat is right over there

143

00:05:56,870 --> 00:05:54,720

and we'll sneak down in a little bit

144

00:06:15,270 --> 00:05:56,880

more but it's really cramped and sandy's

145

00:06:20,629 --> 00:06:16,550

okay

146

00:06:23,590 --> 00:06:20,639

this is inside the sr

147

00:06:25,189 --> 00:06:23,600

and you can see the neptune panel it's a

148

00:06:27,749 --> 00:06:25,199

glass cockpit

149

00:06:30,070 --> 00:06:27,759

which is why this is a

150

00:06:32,950 --> 00:06:30,080

biggest feature between the new soyuz

151
00:06:36,150 --> 00:06:32,960
tma and it's relatively new and the old

152
00:06:38,950 --> 00:06:36,160
soyuz tm the a which stands for

153
00:06:39,909 --> 00:06:38,960
metric and that means also the piano got

154
00:06:42,230 --> 00:06:39,919
smaller

155
00:06:43,670 --> 00:06:42,240
black cockpit so taller people could fit

156
00:06:45,670 --> 00:06:43,680
inside

157
00:06:46,710 --> 00:06:45,680
there's a window that's my my seat over

158
00:06:49,270 --> 00:06:46,720
here

159
00:06:50,150 --> 00:06:49,280
flight data file our checklist ready for

160
00:07:02,950 --> 00:06:50,160
us

161
00:07:02,960 --> 00:07:27,589
very efficient

162
00:07:31,510 --> 00:07:29,749
and this is one of our main containers

163
00:07:33,990 --> 00:07:31,520

where we help our food and everything

164

00:07:37,110 --> 00:07:34,000

like that little control panel

165

00:07:38,870 --> 00:07:37,120

vacuum gauge things like that

166

00:07:39,830 --> 00:07:38,880

so this is where we stayed for a couple

167

00:07:45,589 --> 00:07:39,840

days

168

00:07:51,029 --> 00:07:47,749

international

169

00:07:54,950 --> 00:07:53,029

okay there's the front of the

170

00:07:56,550 --> 00:07:54,960

spacecraft

171

00:07:58,150 --> 00:07:56,560

we have a lot of stowage here in the pr

172

00:07:59,990 --> 00:07:58,160

and they

173

00:08:02,309 --> 00:08:00,000

now yuri's been busy unloading the

174

00:08:04,790 --> 00:08:02,319

progress we just finished an eva

175

00:08:06,390 --> 00:08:04,800

so things here in the functional cargo

176
00:08:08,629 --> 00:08:06,400
block

177
00:08:10,550 --> 00:08:08,639
are very functional right now

178
00:08:13,029 --> 00:08:10,560
and very cargo-y

179
00:08:16,550 --> 00:08:13,039
so you can see things are just really

180
00:08:18,230 --> 00:08:16,560
really full here in the fgb

181
00:08:20,390 --> 00:08:18,240
and again you'll have to pardon us while

182
00:08:24,150 --> 00:08:20,400
we

183
00:08:26,469 --> 00:08:24,160
rebuild the space station from the

184
00:08:29,110 --> 00:08:26,479
inside expedition 18 that's our job is

185
00:08:32,310 --> 00:08:29,120
to get ready for a six-person crew

186
00:08:34,230 --> 00:08:32,320
you can see there's a lot of containers

187
00:08:36,310 --> 00:08:34,240
these metal containers hold

188
00:08:39,029 --> 00:08:36,320

water or urine

189

00:08:40,550 --> 00:08:39,039

and that's what

190

00:08:43,670 --> 00:08:40,560

right now a lot of these are waiting for

191

00:08:49,990 --> 00:08:43,680

a ride back in the progress

192

00:08:55,430 --> 00:08:54,150

and go into the docking compartment

193

00:08:57,670 --> 00:08:55,440

compartment is another one of those

194

00:09:00,310 --> 00:08:57,680

vertical

195

00:09:03,590 --> 00:09:01,509

and it's a

196

00:09:06,070 --> 00:09:03,600

kind of a misnomer it's not just docking

197

00:09:06,949 --> 00:09:06,080

compartment but it's also

198

00:09:20,070 --> 00:09:06,959

a

199

00:09:22,470 --> 00:09:20,080

continuing on down through here

200

00:09:24,630 --> 00:09:22,480

we'll stop here on the way back is our

201
00:09:28,389 --> 00:09:24,640
progress cargo vehicle

202
00:09:31,910 --> 00:09:30,230
is a cargo ship

203
00:09:34,070 --> 00:09:31,920
unmanned uncrewed

204
00:09:36,470 --> 00:09:34,080
nobody driving it has the same kind of

205
00:09:38,870 --> 00:09:36,480
docking compartment it's very much based

206
00:09:41,509 --> 00:09:38,880
on the soyuz design except it doesn't

207
00:09:43,670 --> 00:09:41,519
have any re-entry capability

208
00:09:45,110 --> 00:09:43,680
so you can see it's all empty now yuri

209
00:09:47,910 --> 00:09:45,120
had emptied it out and now we're going