



1  
00:00:37,930 --> 00:00:35,950  
interstates jammed Gunners like me to go

2  
00:00:45,399 --> 00:00:37,940  
by so we better start with and then we

3  
00:00:48,729 --> 00:00:45,409  
are up here and some of the

4  
00:00:50,290 --> 00:00:48,739  
hardest-working most people here and

5  
00:00:53,380 --> 00:00:50,300  
made something several things happen in

6  
00:00:57,810 --> 00:00:53,390  
space like we thank you video we're

7  
00:01:04,560 --> 00:01:01,389  
just floating through the through the

8  
00:01:11,350 --> 00:01:04,570  
airlock gets a little noisier in here

9  
00:01:15,090 --> 00:01:11,360  
now we we pitch up 90 degrees that's the

10  
00:01:18,609 --> 00:01:15,100  
back back of the airlock where when you

11  
00:01:19,899 --> 00:01:18,619  
you do a space walk out of the shuttle

12  
00:01:24,880 --> 00:01:19,909  
that's where you get out of the payload

13  
00:01:31,110 --> 00:01:24,890

Bay here we are making our way up into

14

00:01:34,560 --> 00:01:32,910

tight clearances in some of these areas

15

00:01:39,000 --> 00:01:34,570

that's probably the tightest one right

16

00:01:45,450 --> 00:01:39,010

there okay we emerged into into the node

17

00:01:55,130 --> 00:01:49,770

now first we're going to look down look

18

00:01:59,100 --> 00:01:55,140

down into the MPL em now MPL em work

19

00:02:01,050 --> 00:01:59,110

it's kind of under way one thing I find

20

00:02:04,649 --> 00:02:01,060

quickly is you have to orient yourself

21

00:02:10,080 --> 00:02:04,659

in each module so down to me in this

22

00:02:13,140 --> 00:02:10,090

module is like this this is down and the

23

00:02:16,020 --> 00:02:13,150

reason we call this down is because when

24

00:02:18,630 --> 00:02:16,030

we land it's going to be this side that

25

00:02:21,870 --> 00:02:18,640

faces earth so when we think about how

26

00:02:23,940 --> 00:02:21,880

we pack things especially water we pack

27

00:02:27,600 --> 00:02:23,950

it so that it'll be lying on something

28

00:02:30,030 --> 00:02:27,610

flat when we come back and we don't pack

29

00:02:33,509 --> 00:02:30,040

it on something sharp so that when we

30

00:02:36,060 --> 00:02:33,519

come back into the atmosphere and we get

31

00:02:40,410 --> 00:02:36,070

back into a gravitational field it falls

32

00:02:44,940 --> 00:02:40,420

on the something sharp and pops now

33

00:02:47,790 --> 00:02:44,950

we're going to turn you around take a

34

00:03:02,610 --> 00:02:47,800

look back we'll head out of the MPL em

35

00:03:02,620 --> 00:03:08,210

now we'll hang a right turn

36

00:03:14,320 --> 00:03:11,420

but what we have to do is orient

37

00:03:19,970 --> 00:03:14,330

ourselves to down in the space station

38

00:03:21,650 --> 00:03:19,980

which is this way so that's the

39

00:03:23,210 --> 00:03:21,660

direction we were initially facing when

40

00:03:24,770 --> 00:03:23,220

we came into space station but we're not

41

00:03:27,190 --> 00:03:24,780

going to go that way yet because there's

42

00:03:34,010 --> 00:03:27,200

a couple other things to look at here

43

00:03:38,860 --> 00:03:36,910

this is the Japanese module

44

00:03:41,589 --> 00:03:38,870

and it is always the quietest and

45

00:03:43,570 --> 00:03:41,599

cleanest place on the space station we

46

00:03:46,690 --> 00:03:43,580

have all of our press events right there

47

00:03:49,089 --> 00:03:46,700

which is why that cameras hanging up

48

00:03:52,210 --> 00:03:49,099

there and we're just going to float

49

00:03:55,330 --> 00:03:52,220

through here and i'm going to show you

50

00:04:02,310 --> 00:03:55,340

one more thing that I guess you could

51  
00:04:10,420 --> 00:04:07,480  
we have to pitch up here and we look

52  
00:04:13,180 --> 00:04:10,430  
into what's called a jlp or the attic

53  
00:04:15,430 --> 00:04:13,190  
and that is very very clean to Euston

54  
00:04:17,259 --> 00:04:15,440  
station on the big loop that this is

55  
00:04:22,420 --> 00:04:17,269  
mine now go back and there's a couple

56  
00:04:29,670 --> 00:04:22,430  
windows here that we could look out look

57  
00:04:38,190 --> 00:04:29,680  
out one of them right now dr OCA down

58  
00:04:40,780 --> 00:04:38,200  
for Houston folder for photo tv3 fee and

59  
00:04:43,600 --> 00:04:40,790  
there's a it's kind of a non-standard

60  
00:04:45,580 --> 00:04:43,610  
files there if you guys could get those

61  
00:04:48,550 --> 00:04:45,590  
how's that for a winner of the view

62  
00:04:52,230 --> 00:04:48,560  
download and then let the JC photo TV

63  
00:04:58,600 --> 00:04:55,480

beautiful place from up here copy out

64

00:05:00,010 --> 00:04:58,610

when they head out great thanks alright

65

00:05:04,030 --> 00:05:00,020

we're going to close this window up

66

00:05:07,060 --> 00:05:04,040

again it's a little shudder so we'll

67

00:05:14,530 --> 00:05:07,070

just off to my left that I'm turning I'm

68

00:05:14,540 --> 00:05:34,090

and we're gonna head out of the gym

69

00:05:39,870 --> 00:05:35,860

now we're coming up on that note I

70

00:05:44,050 --> 00:05:39,880

mentioned on the other side of the node

71

00:05:49,540 --> 00:05:44,060

is the Columbus module let's take a

72

00:05:51,430 --> 00:05:49,550

quick quick look inside there you can

73

00:05:55,240 --> 00:05:51,440

see here it's a it's crowded like

74

00:06:01,270 --> 00:05:55,250

everything else these resupply flights

75

00:06:03,040 --> 00:06:01,280

as they call them are very disturbing is

76  
00:06:06,760 --> 00:06:03,050  
probably a good word when it comes to

77  
00:06:08,140 --> 00:06:06,770  
just overall station organization so now

78  
00:06:17,420 --> 00:06:08,150  
we're headed back in our original

79  
00:06:17,430 --> 00:06:22,190  
there's mike fossum

80  
00:06:32,150 --> 00:06:25,160  
he's one of the guys who lives here so

81  
00:06:35,240 --> 00:06:32,160  
he's I guess our host say hi Mike hi def

82  
00:06:36,650 --> 00:06:35,250  
lie about actually I think I said the

83  
00:06:42,870 --> 00:06:36,660  
last one was node one that was actually

84  
00:06:47,580 --> 00:06:44,880  
and what I'm going to do is pitch down

85  
00:06:51,450 --> 00:06:47,590  
here we're going to take a look into

86  
00:06:56,550 --> 00:06:51,460  
what used to be an MP LM it's now called

87  
00:07:00,090 --> 00:06:56,560  
a PM permanent Logistics Module and I'm

88  
00:07:01,410 --> 00:07:00,100

going to orient myself back to down and

89

00:07:07,410 --> 00:07:01,420

I'm going to go through here and show

90

00:07:11,010 --> 00:07:07,420

you just what pandemonium is ensues here

91

00:07:14,160 --> 00:07:11,020

because we're moving everything in so

92

00:07:16,020 --> 00:07:14,170

you can see it just looks like a wreck

93

00:07:19,170 --> 00:07:16,030

but it will look a little bit better

94

00:07:21,660 --> 00:07:19,180

before we leave I'd like to thank the

95

00:07:23,520 --> 00:07:21,670

commander of the International Space

96

00:07:25,170 --> 00:07:23,530

Station andrey borisenko for your

97

00:07:28,160 --> 00:07:25,180

hospitality you've been absolutely

98

00:07:31,830 --> 00:07:28,170

fantastic to us you and your crew have

99

00:07:33,900 --> 00:07:31,840

demonstrated not only ISS hospitality

100

00:07:35,730 --> 00:07:33,910

but you've demonstrated fantastic

101  
00:07:37,530 --> 00:07:35,740  
Russian hospitality it's been wonderful

102  
00:07:39,510 --> 00:07:37,540  
to be here with you you have a wonderful

103  
00:07:41,820 --> 00:07:39,520  
home you're taking fantastic care of it

104  
00:07:44,010 --> 00:07:41,830  
and you are you're going to keep it

105  
00:07:55,170 --> 00:07:44,020  
looking good for generations of space

106  
00:08:04,470 --> 00:07:57,750  
whoops lended

107  
00:08:10,600 --> 00:08:08,170  
hey just a few words overall on the the

108  
00:08:13,060 --> 00:08:10,610  
mission itself you know this is a little

109  
00:08:15,040 --> 00:08:13,070  
bit of an unique mission for a couple

110  
00:08:17,409 --> 00:08:15,050  
different reasons first of all we had

111  
00:08:19,270 --> 00:08:17,419  
kind of an abbreviated crew we had for

112  
00:08:21,610 --> 00:08:19,280  
shuttle crew coming up joining six space

113  
00:08:25,540 --> 00:08:21,620

station crew I think in this particular

114

00:08:28,450 --> 00:08:25,550

instance it forces all to work as a very

115

00:08:29,650 --> 00:08:28,460

tight team from the very beginning we

116

00:08:35,469 --> 00:08:29,660

had a lot of hope from our station

117

00:08:37,450 --> 00:08:35,479

counterparts Sasha and Andre Sergei the

118

00:08:40,180 --> 00:08:37,460

very first day that we were adopted they

119

00:08:42,700 --> 00:08:40,190

showed up in the npl em put me to work

120

00:08:45,700 --> 00:08:42,710

they were absolutely wonderful they were

121

00:08:47,350 --> 00:08:45,710

great sports and took care of Ashley

122

00:08:52,030 --> 00:08:47,360

stuffing an awful lot of our cargo for

123

00:08:54,940 --> 00:08:52,040

us we we empty the npl em finally today

124

00:08:56,980 --> 00:08:54,950

and just a short while ago put it back

125

00:08:58,240 --> 00:08:56,990

in the shuttles payload Bay hopefully

126  
00:08:59,829 --> 00:08:58,250  
with everything that should be on there

127  
00:09:01,300 --> 00:08:59,839  
and if not what's remaining is going to

128  
00:09:05,110 --> 00:09:01,310  
go through this hatch in just a moment

129  
00:09:06,210 --> 00:09:05,120  
but to the expedition 28 crew again

130  
00:09:11,140 --> 00:09:06,220  
thank you very much for your hospitality

131  
00:09:13,700 --> 00:09:11,150  
on behalf of the 135 / well thanks

132  
00:09:16,670 --> 00:09:13,710  
Bertie it's been an honor

133  
00:09:17,840 --> 00:09:16,680  
great having you guys on board it's

134  
00:09:21,260 --> 00:09:17,850  
great being a part of this really

135  
00:09:22,850 --> 00:09:21,270  
important and historic mission and we

136  
00:09:26,300 --> 00:09:22,860  
want to just thank you guys so much for

137  
00:09:29,000 --> 00:09:26,310  
leaving the space station in a posture

138  
00:09:31,370 --> 00:09:29,010

for continued utilization continued use

139

00:09:34,280 --> 00:09:31,380

for the rest of the decade it's a really

140

00:09:36,410 --> 00:09:34,290

great and you know but like think Doug

141

00:09:39,110 --> 00:09:36,420

for all your work on the transfer and

142

00:09:41,360 --> 00:09:39,120

robotics it was just amazing and where's

143

00:09:43,160 --> 00:09:41,370

Rex Rex thank you for all your

144

00:09:46,250 --> 00:09:43,170

relationship and your dedication and

145

00:09:48,440 --> 00:09:46,260

hard work on the space law you and Ed a

146

00:09:50,690 --> 00:09:48,450

team on the ground really made that a

147

00:09:52,040 --> 00:09:50,700

big success and fergie thank you for

148

00:09:53,750 --> 00:09:52,050

your leadership thank you for bringing

149

00:09:55,400 --> 00:09:53,760

the guys here but of all your many many

150

00:09:57,950 --> 00:09:55,410

accomplishments that you get on this

151

00:09:59,480 --> 00:09:57,960

mission for us from our perspective the

152

00:10:06,740 --> 00:09:59,490

most important thing you did was very

153

00:10:08,960 --> 00:10:06,750

sandy sandy we cannot thank you know or

154

00:10:10,340 --> 00:10:08,970

always keeping the big picture might

155

00:10:13,400 --> 00:10:10,350

always keep in what life is going to be

156

00:10:15,560 --> 00:10:13,410

like after you guys leave you were just

157

00:10:17,380 --> 00:10:15,570

absolutely amazing we just cannot thank

158

00:10:19,990 --> 00:10:17,390

you enough for everything that you

159

00:10:21,760 --> 00:10:20,000

and you know we don't even realize it

160

00:10:23,800 --> 00:10:21,770

yet but in a couple of weeks we're going

161

00:10:26,290 --> 00:10:23,810

to be going wow I'm glad san dimas here

162

00:10:30,760 --> 00:10:26,300

and we tried to trade my purse sandy but

163

00:10:33,130 --> 00:10:30,770

ferry wouldn't take us up but Frankie

164

00:10:35,590 --> 00:10:33,140

thank you and your crew so much like I

165

00:10:36,880 --> 00:10:35,600

said it's you really left it in a good

166

00:10:39,040 --> 00:10:36,890

position so I'll behalf of the

167

00:10:40,570 --> 00:10:39,050

expedition 28 crew the entire ISS

168

00:10:43,720 --> 00:10:40,580

program would like to thank you your

169

00:10:45,730 --> 00:10:43,730

crew and the entire sts-135 team for

170

00:10:46,930 --> 00:10:45,740

leaving the station ready to go for the

171

00:10:50,910 --> 00:10:46,940

rest of the decade so thank you very

172

00:10:58,930 --> 00:10:50,920

much that is our honor all right

173

00:11:05,500 --> 00:10:58,940

gratulations like thank you that was

174

00:11:08,050 --> 00:11:05,510

very very good okay come on come on dirt

175

00:11:10,690 --> 00:11:08,060

come under commander commander agrees

176

00:11:12,940 --> 00:11:10,700

the dock right good luck to you hey