



1
00:00:11,430 --> 00:00:09,190
flight day nine of the flight of space

2
00:00:13,669 --> 00:00:11,440
shuttle discovery was a day that saw

3
00:00:15,829 --> 00:00:13,679
most of the activity take place inside

4
00:00:17,590 --> 00:00:15,839
the newest pressurized module of the

5
00:00:20,390 --> 00:00:17,600
international space station the

6
00:00:22,150 --> 00:00:20,400
permanent multi-purpose module which was

7
00:00:25,109 --> 00:00:22,160
installed on the underside of the unity

8
00:00:27,429 --> 00:00:25,119
node earlier this week the module that's

9
00:00:30,230 --> 00:00:27,439
approximately the size of the european

10
00:00:33,670 --> 00:00:30,240
columbus laboratory came with more than

11
00:00:36,389 --> 00:00:33,680
three tons of materials packed inside

12
00:00:38,310 --> 00:00:36,399
that has to be unpacked and part of the

13
00:00:39,990 --> 00:00:38,320

reason that extra days were added to

14

00:00:41,910 --> 00:00:40,000

discovery's docked time at the

15

00:00:44,470 --> 00:00:41,920

international space station was to

16

00:00:46,790 --> 00:00:44,480

provide the six shuttle crew members two

17

00:00:48,950 --> 00:00:46,800

more days so that material could be

18

00:00:50,869 --> 00:00:48,960

unpacked and distributed around the

19

00:00:52,470 --> 00:00:50,879

space station to the locations where

20

00:00:53,990 --> 00:00:52,480

it's destined to go

21

00:00:56,310 --> 00:00:54,000

and so that the shuttle crew members

22

00:00:59,430 --> 00:00:56,320

could assist their station colleagues in

23

00:01:02,389 --> 00:00:59,440

outfitting the pmm in getting the racks

24

00:01:05,030 --> 00:01:02,399

reconfigured into the configuration that

25

00:01:06,710 --> 00:01:05,040

they need to be in for long term life on

26

00:01:08,710 --> 00:01:06,720

orbit

27

00:01:12,469 --> 00:01:08,720

oh the alvin drew

28

00:01:14,230 --> 00:01:12,479

coming out of the newest and as we know

29

00:01:16,230 --> 00:01:14,240

right now final

30

00:01:17,910 --> 00:01:16,240

u.s module

31

00:01:19,270 --> 00:01:17,920

to be attached to the international

32

00:01:21,350 --> 00:01:19,280

space station

33

00:01:23,270 --> 00:01:21,360

what's going on and down in there today

34

00:01:25,190 --> 00:01:23,280

we're installing brackets

35

00:01:27,190 --> 00:01:25,200

brackets brackets

36

00:01:28,390 --> 00:01:27,200

brackets for racks all right because

37

00:01:29,510 --> 00:01:28,400

there's a lot of rack sound in there

38

00:01:32,149 --> 00:01:29,520

aren't there a lot of racks a lot of

39

00:01:34,390 --> 00:01:32,159

rack spaces down there

40

00:01:36,310 --> 00:01:34,400

so this is a nice big new closet and a

41

00:01:37,990 --> 00:01:36,320

storage area yep

42

00:01:39,510 --> 00:01:38,000

all right and we're gonna move things

43

00:01:40,710 --> 00:01:39,520

from the station in here and take some

44

00:01:42,870 --> 00:01:40,720

stuff back

45

00:01:47,190 --> 00:01:42,880

um

46

00:01:47,200 --> 00:02:01,270

nice music

47

00:02:09,430 --> 00:02:03,990

working hard on a bracket

48

00:02:14,309 --> 00:02:11,270

it's just like a saturday afternoon in

49

00:02:22,630 --> 00:02:14,319

the garage all right thank you steve

50

00:02:26,150 --> 00:02:24,229

the lovely katie coleman entering the

51

00:02:28,229 --> 00:02:26,160

pmm

52

00:02:29,589 --> 00:02:28,239

with tools ooh maybe it's the right

53

00:02:31,430 --> 00:02:29,599

tools

54

00:02:32,470 --> 00:02:31,440

well we're trying

55

00:02:35,350 --> 00:02:32,480

in the

56

00:02:36,630 --> 00:02:35,360

milfie to glacier transfer of samples

57

00:02:37,990 --> 00:02:36,640

it's cold

58

00:02:39,750 --> 00:02:38,000

very cold

59

00:02:41,990 --> 00:02:39,760

and uh it's got some ice packs we're

60

00:02:43,110 --> 00:02:42,000

gonna put these in this little bag here

61

00:02:45,750 --> 00:02:43,120

and then we're gonna collect some

62

00:02:47,350 --> 00:02:45,760

samples and move them out of

63

00:02:49,030 --> 00:02:47,360

melfi the big freezer on the space

64

00:02:50,390 --> 00:02:49,040

station and over to the little freezer

65

00:02:52,790 --> 00:02:50,400

that we just moved on to the space

66

00:02:54,309 --> 00:02:52,800

shuttle to bring home

67

00:02:58,070 --> 00:02:54,319

okay back at melfi here's one of the

68

00:03:01,750 --> 00:02:59,990

very refreshing a little frost like a

69

00:03:04,790 --> 00:03:01,760

cool mountain stream we're back in the

70

00:03:07,350 --> 00:03:04,800

pmm yeah there's action going on in here

71

00:03:09,030 --> 00:03:07,360

there's so much action look every corner

72

00:03:11,350 --> 00:03:09,040

every corner you go to

73

00:03:12,710 --> 00:03:11,360

there's somebody working

74

00:03:14,550 --> 00:03:12,720

on a rack

75

00:03:16,390 --> 00:03:14,560

this is al again

76

00:03:18,390 --> 00:03:16,400

i'm not doing anything he's not doing

77

00:03:19,190 --> 00:03:18,400

anything i just finished that break okay

78

00:03:21,270 --> 00:03:19,200

okay

79

00:03:22,710 --> 00:03:21,280

move along

80

00:03:25,830 --> 00:03:22,720

look he's still in that same corner

81

00:03:30,550 --> 00:03:27,910

it's a beautiful thing he finds ways to

82

00:03:33,430 --> 00:03:30,560

occupy himself

83

00:03:34,789 --> 00:03:33,440

not doing anything don't tell anyone

84

00:03:36,309 --> 00:03:34,799

unbelievable

85

00:03:38,149 --> 00:03:36,319

minutes and minutes that i've almost got

86

00:03:39,509 --> 00:03:38,159

one out of six

87

00:03:41,270 --> 00:03:39,519

and then

88

00:03:43,270 --> 00:03:41,280

okay

89

00:03:44,710 --> 00:03:43,280

all right we're in the lab again

90

00:03:47,750 --> 00:03:44,720

and one of the questions we're getting a

91

00:03:49,350 --> 00:03:47,760

lot is where is robonaut

92

00:03:52,309 --> 00:03:49,360

well robonaut

93

00:03:56,149 --> 00:03:52,319

is in here this is his packing box we've

94

00:03:58,149 --> 00:03:56,159

moved it from the pmm which was the new

95

00:03:59,190 --> 00:03:58,159

module that we brought up where he was

96

00:04:04,149 --> 00:03:59,200

for

97

00:04:05,910 --> 00:04:04,159

oh i don't know at least four months

98

00:04:07,429 --> 00:04:05,920

back at kennedy space center while

99

00:04:08,949 --> 00:04:07,439

waiting for launch

100

00:04:11,110 --> 00:04:08,959

so i'm sure

101
00:04:12,869 --> 00:04:11,120
that robonaut is anxious

102
00:04:14,869 --> 00:04:12,879
to get out of this box

103
00:04:16,870 --> 00:04:14,879
either today or tomorrow or

104
00:04:19,590 --> 00:04:16,880
the next day one of these days robonaut

105
00:04:21,670 --> 00:04:19,600
will be set free

106
00:04:23,350 --> 00:04:21,680
for commander lindsay what do you do for

107
00:04:25,909 --> 00:04:23,360
fun in microgravity and do you have any

108
00:04:27,590 --> 00:04:25,919
special tricks you like to do

109
00:04:29,749 --> 00:04:27,600
yeah we call those stupid astronaut

110
00:04:32,550 --> 00:04:29,759
tricks and uh i have several that i'm

111
00:04:34,390 --> 00:04:32,560
not very good at but

112
00:04:35,749 --> 00:04:34,400
and i have the bruises to show for it

113
00:04:37,590 --> 00:04:35,759

but uh

114

00:04:39,110 --> 00:04:37,600

flight day nine also saw several of the

115

00:04:41,670 --> 00:04:39,120

crew members take time for an

116

00:04:43,749 --> 00:04:41,680

educational event with students at

117

00:04:45,350 --> 00:04:43,759

nasa's marshall space flight center in

118

00:04:47,749 --> 00:04:45,360

huntsville alabama

119

00:04:49,590 --> 00:04:47,759

and late in the cruise morning all 12

120

00:04:52,070 --> 00:04:49,600

crew members shuttle and station crew

121

00:04:54,230 --> 00:04:52,080

members alike gathered together for a

122

00:04:55,990 --> 00:04:54,240

joint news conference to respond to

123

00:04:58,390 --> 00:04:56,000

questions about the progress of their

124

00:05:00,870 --> 00:04:58,400

flight and the future of human space

125

00:05:02,870 --> 00:05:00,880

exploration posed by reporters all

126

00:05:04,629 --> 00:05:02,880

around the united states as well as

127

00:05:05,510 --> 00:05:04,639

those in italy

128

00:05:09,189 --> 00:05:05,520

and

129

00:05:11,430 --> 00:05:09,199

points this out is that

130

00:05:14,950 --> 00:05:11,440

this space station here now is the

131

00:05:17,510 --> 00:05:14,960

largest pressurized volume in space in

132

00:05:19,350 --> 00:05:17,520

history it's it's huge i mean i use a

133

00:05:21,189 --> 00:05:19,360

word my son uses all the time which is

134

00:05:23,350 --> 00:05:21,199

ginormous

135

00:05:25,830 --> 00:05:23,360

we have 12 people up here now and

136

00:05:28,150 --> 00:05:25,840

honestly if we spread ourselves out you

137

00:05:30,070 --> 00:05:28,160

could spread across this vehicle and

138

00:05:32,230 --> 00:05:30,080

you know not see another person it's

139

00:05:33,749 --> 00:05:32,240

it's that big i think volume wise

140

00:05:36,310 --> 00:05:33,759

equivalent to

141

00:05:39,749 --> 00:05:36,320

the interior of a 747 or a little bit

142

00:05:41,749 --> 00:05:39,759

bigger and it's just really really

143

00:05:44,950 --> 00:05:41,759

impressive to know that

144

00:05:46,950 --> 00:05:44,960

as a volume and a total volume workspace

145

00:05:48,710 --> 00:05:46,960

we can use every single one of the walls

146

00:05:49,990 --> 00:05:48,720

and every single one of these modules in

147

00:05:51,830 --> 00:05:50,000

a way that

148

00:05:53,590 --> 00:05:51,840

we just can't do on the ground and so it

149

00:05:54,310 --> 00:05:53,600

makes for a really wonderful resource

150

00:05:56,469 --> 00:05:54,320

for

151

00:05:57,909 --> 00:05:56,479

science and living and