



1
00:00:11,509 --> 00:00:09,270
flight day nine of the flight of space

2
00:00:13,669 --> 00:00:11,519
shuttle discovery was a day that saw

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

4
00:00:17,670 --> 00:00:15,839
the newest pressurized module of the

5
00:00:20,390 --> 00:00:17,680
international space station the

6
00:00:22,230 --> 00:00:20,400
permanent multi-purpose module which was

7
00:00:25,189 --> 00:00:22,240
installed on the underside of the unity

8
00:00:27,429 --> 00:00:25,199
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
00:00:36,470 --> 00:00:33,680
three tons of materials packed inside

12
00:00:38,310 --> 00:00:36,480
that has to be unpacked and part of the

13
00:00:40,069 --> 00:00:38,320

reason that extra days were added to

14

00:00:41,910 --> 00:00:40,079

discovery's docked time at the

15

00:00:44,549 --> 00:00:41,920

international space station was to

16

00:00:46,869 --> 00:00:44,559

provide the six shuttle crew members two

17

00:00:48,950 --> 00:00:46,879

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

00:00:59,510 --> 00:00:56,320

could assist their station colleagues in

23

00:01:02,389 --> 00:00:59,520

outfitting the pmm in getting the racks

24

00:01:05,109 --> 00:01:02,399

reconfigured into the configuration that

25

00:01:06,789 --> 00:01:05,119

they need to be in for long-term life on

26

00:01:08,710 --> 00:01:06,799

orbit

27

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

oh the alvin drew

28

00:01:14,310 --> 00:01:12,479

coming out of the newest and as we know

29

00:01:16,310 --> 00:01:14,320

right now final

30

00:01:17,910 --> 00:01:16,320

u.s module

31

00:01:19,350 --> 00:01:17,920

to be attached to the international

32

00:01:21,350 --> 00:01:19,360

space station

33

00:01:23,350 --> 00:01:21,360

what's going on and down in there today

34

00:01:25,190 --> 00:01:23,360

we're installing brackets

35

00:01:27,270 --> 00:01:25,200

brackets brackets

36

00:01:28,390 --> 00:01:27,280

brackets for racks all right because

37

00:01:29,590 --> 00:01:28,400

there's a lot of rack sound in there

38

00:01:32,149 --> 00:01:29,600

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 kind of

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

00:01:40,789 --> 00:01:39,520

from the station in here and take some

44

00:01:42,870 --> 00:01:40,799

stuff back

45

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

um

46

00:01:47,200 --> 00:02:01,350

nice music

47

00:02:06,630 --> 00:02:03,990

working hard on a bracket

48

00:02:09,510 --> 00:02:06,640

he's gonna have to say a few words to us

49

00:02:11,270 --> 00:02:09,520

do it

50

00:02:14,309 --> 00:02:11,280

it's just like a saturday afternoon in

51
00:02:22,630 --> 00:02:14,319
the garage all right thank you steve

52
00:02:26,229 --> 00:02:24,309
the lovely katie coleman entering the

53
00:02:28,229 --> 00:02:26,239
pmm

54
00:02:29,589 --> 00:02:28,239
with tools ooh maybe it's the right

55
00:02:31,430 --> 00:02:29,599
tools

56
00:02:32,550 --> 00:02:31,440
well we're trying

57
00:02:35,430 --> 00:02:32,560
in the

58
00:02:37,990 --> 00:02:35,440
milfy to glacier transfer of samples

59
00:02:39,750 --> 00:02:38,000
it's cold very cold

60
00:02:41,990 --> 00:02:39,760
and uh it's got some ice packs we're

61
00:02:43,110 --> 00:02:42,000
gonna put these in this little bag here

62
00:02:45,750 --> 00:02:43,120
and then we're gonna collect some

63
00:02:47,350 --> 00:02:45,760

samples and move them out of

64

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

melfi the big freezer on the space

65

00:02:50,470 --> 00:02:49,040

station and over to the little freezer

66

00:02:52,790 --> 00:02:50,480

that we just moved on to the space

67

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

shuttle spring home

68

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

okay back at melfi here's one of the

69

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

very refreshing a little frost like a

70

00:03:02,710 --> 00:03:01,760

cool mountain stream we're back in the

71

00:03:05,110 --> 00:03:02,720

pmm

72

00:03:07,589 --> 00:03:05,120

there's action going on in here there's

73

00:03:09,030 --> 00:03:07,599

so much action look every corner every

74

00:03:11,430 --> 00:03:09,040

corner you go to

75

00:03:12,710 --> 00:03:11,440

there's somebody working

76

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

on a rack

77

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

this is al again

78

00:03:21,270 --> 00:03:16,400

i'm not doing anything he's not doing

79

00:03:25,830 --> 00:03:22,790

look he's still in that same corner

80

00:03:30,550 --> 00:03:27,990

it's a beautiful thing he finds ways to

81

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

occupy himself

82

00:03:34,869 --> 00:03:33,440

not doing anything don't tell anyone

83

00:03:36,309 --> 00:03:34,879

unbelievable

84

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

minutes and minutes that i've almost got

85

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

one out of six

86

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

and then

87

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

okay

88

00:03:44,789 --> 00:03:43,280

all right we're in the lab again

89

00:03:47,830 --> 00:03:44,799

and one of the questions we're getting a

90

00:03:49,350 --> 00:03:47,840

lot is where is robonaut

91

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

well robonaut

92

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

is in here this is his packing box we've

93

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

moved it from the pmm which was the new

94

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

module that we brought up where he was

95

00:04:04,229 --> 00:03:59,200

for

96

00:04:05,910 --> 00:04:04,239

oh i don't know at least four months

97

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

back at kennedy space center while

98

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

waiting for launch

99

00:04:11,589 --> 00:04:08,959

so i'm sure

100

00:04:12,949 --> 00:04:11,599

that robonaut is anxious to get out of

101

00:04:14,949 --> 00:04:12,959

this box

102

00:04:17,030 --> 00:04:14,959

either today or tomorrow or far or the

103

00:04:19,590 --> 00:04:17,040

next day one of these days robonaut will

104

00:04:21,670 --> 00:04:19,600

be set free

105

00:04:23,350 --> 00:04:21,680

for commander lindsay what do you do for

106

00:04:25,909 --> 00:04:23,360

fun in microgravity and do you have any

107

00:04:27,590 --> 00:04:25,919

special tricks you like to do

108

00:04:29,749 --> 00:04:27,600

yeah we call those stupid astronaut

109

00:04:32,550 --> 00:04:29,759

tricks and uh i have several that i'm

110

00:04:34,469 --> 00:04:32,560

not very good at but uh

111

00:04:35,830 --> 00:04:34,479

and i have the bruises to show for it

112

00:04:37,590 --> 00:04:35,840

but uh

113

00:04:39,189 --> 00:04:37,600

flight day nine also saw several of the

114

00:04:41,749 --> 00:04:39,199

crew members take time for an

115

00:04:43,749 --> 00:04:41,759

educational event with students at

116

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

nasa's marshall space flight center in

117

00:04:47,830 --> 00:04:45,360

huntsville alabama

118

00:04:49,670 --> 00:04:47,840

and late in the cruise morning all 12

119

00:04:52,070 --> 00:04:49,680

crew members shuttle and station crew

120

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

members alike gathered together for a

121

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

joint news conference to respond to

122

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

questions about the progress of their

123

00:05:00,950 --> 00:04:58,400

flight and the future of human space

124

00:05:02,870 --> 00:05:00,960

exploration posed by reporters all

125

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

around the united states as well as

126
00:05:05,510 --> 00:05:04,639
those in italy

127
00:05:09,189 --> 00:05:05,520
and

128
00:05:11,430 --> 00:05:09,199
points this out is that

129
00:05:14,950 --> 00:05:11,440
this space station here now is the

130
00:05:17,590 --> 00:05:14,960
largest pressurized volume in space in

131
00:05:19,430 --> 00:05:17,600
history it's it's huge i mean i i use a

132
00:05:21,189 --> 00:05:19,440
word my son uses all the time which is

133
00:05:23,350 --> 00:05:21,199
ginormous um

134
00:05:25,830 --> 00:05:23,360
we have 12 people up here now and

135
00:05:28,150 --> 00:05:25,840
honestly if we spread ourselves out you

136
00:05:30,070 --> 00:05:28,160
could spread across this vehicle and

137
00:05:32,310 --> 00:05:30,080
you know not see another person it's

138
00:05:33,749 --> 00:05:32,320

it's that big i think volume wise

139

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

equivalent to

140

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

the interior of a 747 or a little bit

141

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

bigger and it's just really really

142

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

impressive to know that

143

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

as a volume and a total volume workspace

144

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

we can use every single one of the walls

145

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

and every single one of these modules in

146

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

a way that

147

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

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

148

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

makes for a really wonderful resource

149

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

for

150

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

science and living and

