



1
00:00:49,590 --> 00:00:46,470
an event that happened about 350 years

2
00:00:50,869 --> 00:00:49,600
ago of great significance to science in

3
00:00:52,950 --> 00:00:50,879
general

4
00:00:54,389 --> 00:00:52,960
we are going to recreate

5
00:00:57,350 --> 00:00:54,399
something that happened in isaac

6
00:00:59,750 --> 00:00:57,360
newton's back garden back in the 17th

7
00:01:02,310 --> 00:00:59,760
century so first of all we'll simulate

8
00:01:04,310 --> 00:01:02,320
isaac newton using tracy and this nice

9
00:01:05,350 --> 00:01:04,320
picture of eyes of you

10
00:01:06,230 --> 00:01:05,360
very good

11
00:01:08,230 --> 00:01:06,240
yeah

12
00:01:10,070 --> 00:01:08,240
sure the rest of it is all right

13
00:01:12,149 --> 00:01:10,080

and then isaac newton's apple tree and

14

00:01:14,710 --> 00:01:12,159

this is a piece of wood actually from

15

00:01:16,230 --> 00:01:14,720

isaac newton's very own apple tree

16

00:01:18,870 --> 00:01:16,240

simulator there

17

00:01:21,270 --> 00:01:18,880

and an apple unfortunately we don't have

18

00:01:24,630 --> 00:01:21,280

an apple we have a pear because the last

19

00:01:26,950 --> 00:01:24,640

apple on the iss was eaten last night

20

00:01:29,270 --> 00:01:26,960

by an unnamed crew member

21

00:01:31,190 --> 00:01:29,280

and the confidentiality laws prevent me

22

00:01:33,270 --> 00:01:31,200

from mentioning her by name

23

00:01:37,350 --> 00:01:33,280

but we have this pair instead

24

00:01:40,789 --> 00:01:37,360

so apple isaac here we go

25

00:01:44,950 --> 00:01:42,789

and you would think

26

00:01:46,870 --> 00:01:44,960

it would fall but it's not

27

00:01:48,870 --> 00:01:46,880

but isaac knows better it really is

28

00:01:51,030 --> 00:01:48,880

falling it's just that everything else

29

00:01:53,350 --> 00:01:51,040

is falling around it so he would know

30

00:01:56,310 --> 00:01:53,360

what was going on and be very pleased

31

00:02:00,149 --> 00:01:58,230

yay

32

00:02:02,870 --> 00:02:00,159

and here we're coming

33

00:02:05,030 --> 00:02:02,880

down fgb

34

00:02:12,550 --> 00:02:05,040

and up to

35

00:02:16,390 --> 00:02:13,830

hey guys

36

00:02:18,630 --> 00:02:16,400

there's nobody in the meme

37

00:02:21,830 --> 00:02:18,640

hey

38

00:02:24,150 --> 00:02:21,840

here we are how do you like it i have

39

00:02:28,229 --> 00:02:24,160

idea plenty of room huh

40

00:02:29,750 --> 00:02:28,239

uh i can't i cannot say it

41

00:02:32,790 --> 00:02:29,760

for a while yeah it's pretty noisy in

42

00:02:37,430 --> 00:02:35,430

yeah it will be uh there will be plenty

43

00:02:39,030 --> 00:02:37,440

of room once it's all unpacked and

44

00:02:41,830 --> 00:02:39,040

they're doing a great job of getting

45

00:02:43,509 --> 00:02:41,840

that done but uh here's

46

00:02:45,509 --> 00:02:43,519

here's the cone

47

00:02:47,110 --> 00:02:45,519

where the probe went in and where we

48

00:02:49,190 --> 00:02:47,120

doctor with using the arm without

49

00:02:52,390 --> 00:02:49,200

touching the sides note

50

00:02:54,150 --> 00:02:52,400

yes yes yes there was a little nick on

51
00:02:55,430 --> 00:02:54,160
the probe in one corner actually i want

52
00:02:57,509 --> 00:02:55,440
to go check that out

53
00:03:00,550 --> 00:02:57,519
but uh anyway she pretty much came right

54
00:03:03,750 --> 00:03:00,560
down the middle and uh as you can see

55
00:03:06,949 --> 00:03:03,760
see the hatches are open and uh we got a

56
00:03:09,030 --> 00:03:06,959
wonderful spanx baking sparkling

57
00:03:11,910 --> 00:03:09,040
spanking sparkling new

58
00:03:12,869 --> 00:03:11,920
uh element here and to commemorate the

59
00:03:17,270 --> 00:03:12,879
event

60
00:03:20,869 --> 00:03:17,280
in a very formal and uh official

61
00:03:22,229 --> 00:03:20,879
manor yes uh a certain doctor pure

62
00:03:24,550 --> 00:03:22,239
sellers

63
00:03:25,990 --> 00:03:24,560

commissioned a work of art

64

00:03:28,470 --> 00:03:26,000

now she didn't really commission he kind

65

00:03:30,390 --> 00:03:28,480

of did it uh he is

66

00:03:34,949 --> 00:03:30,400

the artist and i have it here in my

67

00:03:39,830 --> 00:03:34,959

hands this is the official model

68

00:03:42,949 --> 00:03:39,840

of meem adin or mrm1 or recipient

69

00:03:44,309 --> 00:03:42,959

and it's built exactly to the scale of a

70

00:03:48,070 --> 00:03:44,319

pepper pot

71

00:03:51,910 --> 00:03:48,080

to the fast yes that's the uh dimensions

72

00:03:56,789 --> 00:03:53,350

but uh

73

00:04:00,869 --> 00:03:56,799

but here here's uh the prime objective

74

00:04:02,149 --> 00:04:00,879

of the sts-132 mission uh successfully

75

00:04:06,710 --> 00:04:02,159

accomplished

76

00:04:08,789 --> 00:04:06,720

the mim can hold tons of food and two

77

00:04:09,910 --> 00:04:08,799

russians yes

78

00:04:11,830 --> 00:04:09,920

if they were left in there could eat

79

00:04:12,789 --> 00:04:11,840

their way out

80

00:04:15,190 --> 00:04:12,799

all right

81

00:04:16,310 --> 00:04:15,200

what hey oleg you're sitting in your new

82

00:04:18,870 --> 00:04:16,320

module

83

00:04:21,430 --> 00:04:18,880

rasviet how do you like it

84

00:04:23,830 --> 00:04:21,440

it's pretty good brand new

85

00:04:26,390 --> 00:04:23,840

very bright

86

00:04:27,749 --> 00:04:26,400

very interesting and we

87

00:04:30,070 --> 00:04:27,759

haven't still

88

00:04:33,270 --> 00:04:30,080

looked all the module because you see it

89

00:04:36,150 --> 00:04:33,280

is a pretty packed roll with cargo with

90

00:04:38,950 --> 00:04:36,160

starboard frames and we work very hard

91

00:04:41,189 --> 00:04:38,960

to clean it up to remove all all items

92

00:04:43,749 --> 00:04:41,199

from module and c and initial

93

00:04:46,390 --> 00:04:43,759

configuration and but in any case we're

94

00:04:48,870 --> 00:04:46,400

ready glad that we get this

95

00:04:49,990 --> 00:04:48,880

new russian module and especially thanks

96

00:04:52,710 --> 00:04:50,000

for

97

00:04:55,030 --> 00:04:52,720

it's test 132 crew

98

00:04:57,830 --> 00:04:55,040

and for atlantis

99

00:05:00,629 --> 00:04:57,840

they did a great job

100

00:05:01,749 --> 00:05:00,639

to deliver well we're happy to do it

101
00:05:02,710 --> 00:05:01,759
what are you going to do with it once

102
00:05:04,310 --> 00:05:02,720
it's what are you going to do with it

103
00:05:06,790 --> 00:05:04,320
once it's all emptied out mostly it'll

104
00:05:08,870 --> 00:05:06,800
be a science module we have

105
00:05:11,110 --> 00:05:08,880
four universal science racks on this

106
00:05:12,550 --> 00:05:11,120
module plus of course this will be like

107
00:05:15,430 --> 00:05:12,560
a storage

108
00:05:17,430 --> 00:05:15,440
area and also it'll be extra port for so

109
00:05:19,029 --> 00:05:17,440
useful progress right

110
00:05:21,110 --> 00:05:19,039
and you guys need the storage so this is

111
00:05:24,870 --> 00:05:21,120
good news that we have absolutely yeah

112
00:05:27,350 --> 00:05:24,880
that's and to really uh help us

113
00:05:29,830 --> 00:05:27,360

to clean up station to keep it in good

114

00:05:32,150 --> 00:05:29,840

shape all right matt thanks a lot you're

115

00:05:34,550 --> 00:05:32,160

welcome good luck

116

00:05:36,710 --> 00:05:34,560

hey bueno hi steve what are you doing

117

00:05:39,510 --> 00:05:36,720

hello pierce

118

00:05:41,830 --> 00:05:39,520

hello cleaning up my food locker or

119

00:05:43,350 --> 00:05:41,840

consolidating we had two trays of food

120

00:05:45,350 --> 00:05:43,360

for the whole time here

121

00:05:46,230 --> 00:05:45,360

and everything that i uh

122

00:05:48,310 --> 00:05:46,240

don't think i'm gonna eat i'm gonna

123

00:05:49,990 --> 00:05:48,320

leave here on station for the other guys

124

00:05:52,310 --> 00:05:50,000

and lighten our load a little bit coming

125

00:05:56,309 --> 00:05:52,320

home right here the blueberry cobbler is

126
00:05:58,150 --> 00:05:56,319
the item in demand and then kona coffee

127
00:06:00,150 --> 00:05:58,160
yes so i've loaded up with that stevo

128
00:06:01,189 --> 00:06:00,160
you're drinking as much as i can before

129
00:06:03,029 --> 00:06:01,199
i actually have already emptied my food

130
00:06:04,550 --> 00:06:03,039
drawers i'm just eating so steve are you

131
00:06:06,469 --> 00:06:04,560
trying to sell yours and what is the

132
00:06:08,230 --> 00:06:06,479
currency on station that's a good

133
00:06:09,830 --> 00:06:08,240
question i'm not exactly sure what we

134
00:06:11,749 --> 00:06:09,840
can use as a currency here there's a

135
00:06:13,749 --> 00:06:11,759
value upon our return to earth i think

136
00:06:15,749 --> 00:06:13,759
goodwill you know oh goodwill that's

137
00:06:18,309 --> 00:06:15,759
what we've been establishing here

138
00:06:20,230 --> 00:06:18,319

something i've missed good for you man

139

00:06:21,830 --> 00:06:20,240

okay so steve are you eating those uh

140

00:06:24,309 --> 00:06:21,840

nuts or i thought you're gonna hand them

141

00:06:25,670 --> 00:06:24,319

over to station side no no no no no they

142

00:06:27,510 --> 00:06:25,680

said keep what we wanted for the last

143

00:06:29,830 --> 00:06:27,520

few days oh okay

144

00:06:31,909 --> 00:06:29,840

m m's this is the commodity that

145

00:06:33,670 --> 00:06:31,919

probably is the currency oh yeah

146

00:06:35,350 --> 00:06:33,680

these are coming home

147

00:06:37,909 --> 00:06:35,360

for my daughter shannon