



**from Endeavour**



**from Mir**

1  
00:00:35,520 --> 00:00:43,590

you know that it would be

2  
00:01:07,270 --> 00:00:47,350

if untrue was to say to you

3  
00:01:11,030 --> 00:01:09,350

good morning endeavor we hope you're all

4  
00:01:17,830 --> 00:01:11,040

fired up this morning for another day in

5  
00:01:23,109 --> 00:01:20,230

before he can get ready to open the door

6  
00:01:25,190 --> 00:01:23,119

and light up the stew

7  
00:01:29,670 --> 00:01:25,200

roger that and this morning's music was

8  
00:01:33,670 --> 00:01:31,429

yeah chris uh

9  
00:01:35,990 --> 00:01:33,680

it looks like that we are tracking and

10  
00:01:38,550 --> 00:01:36,000

we're getting data on the

11  
00:01:40,069 --> 00:01:38,560

pgsc with the little dots on the screen

12  
00:01:42,069 --> 00:01:40,079

and it looks like it's giving us the

13  
00:01:47,350 --> 00:01:42,079

correct information

14

00:01:51,510 --> 00:01:49,910

the rendezvous and proximity operations

15

00:01:54,069 --> 00:01:51,520

program

16

00:01:56,469 --> 00:01:54,079

showing endeavor a fairly stable

17

00:01:59,830 --> 00:01:56,479

position in relation to the pam stew

18

00:02:06,469 --> 00:01:59,840

satellite at a distance of about 2200

19

00:02:06,479 --> 00:02:11,589

go ahead dan

20

00:02:15,910 --> 00:02:14,229

yeah chris if uh you can let us know

21

00:02:18,070 --> 00:02:15,920

what they think on the ground we're

22

00:02:20,070 --> 00:02:18,080

getting intermittent tracking and not

23

00:02:28,070 --> 00:02:20,080

tracking and just trying to tell if

24

00:02:31,270 --> 00:02:29,270

copy we're

25

00:02:33,190 --> 00:02:31,280

having a look at the ground version of

26  
00:02:36,470 --> 00:02:33,200  
the data as well we'll get back as soon

27  
00:02:43,270 --> 00:02:36,480  
as we have a conclusive answer okay

28  
00:02:46,630 --> 00:02:45,589  
and landon now appears to be uh five

29  
00:02:47,430 --> 00:02:46,640  
degrees

30  
00:02:50,630 --> 00:02:47,440  
um

31  
00:02:52,390 --> 00:02:50,640  
very little cody

32  
00:02:53,990 --> 00:02:52,400  
copy dan it sure looks like uh the

33  
00:02:57,830 --> 00:02:54,000  
science was correct and it's damped

34  
00:02:57,840 --> 00:03:01,750  
looks great

35  
00:03:07,110 --> 00:03:04,229  
for pampers to estimate lambda now at

36  
00:03:10,710 --> 00:03:07,120  
three degrees or less

37  
00:03:14,710 --> 00:03:12,149  
endeavor has moved out of range of the

38  
00:03:15,670 --> 00:03:14,720

communications network as the vehicle

39

00:03:17,589 --> 00:03:15,680

was

40

00:03:20,869 --> 00:03:17,599

station keeping at a distance of about

41

00:03:21,670 --> 00:03:20,879

2200 feet from the pam stew satellite

42

00:03:26,229 --> 00:03:21,680

the

43

00:03:28,149 --> 00:03:26,239

it was in a very stable uh position

44

00:03:30,070 --> 00:03:28,159

which prompted uh

45

00:03:31,509 --> 00:03:30,080

spacecraft communicator chris hadfield's

46

00:03:32,630 --> 00:03:31,519

comment

47

00:03:35,350 --> 00:03:32,640

that

48

00:03:37,589 --> 00:03:35,360

it appears to be holding its attitude

49

00:03:40,630 --> 00:03:37,599

and correcting its attitude

50

00:03:43,990 --> 00:03:40,640

using the aerodynamically stabilized

51  
00:03:45,589 --> 00:03:44,000  
system rather than propellants as

52  
00:03:46,550 --> 00:03:45,599  
was designed

53  
00:03:48,710 --> 00:03:46,560  
the

54  
00:03:50,550 --> 00:03:48,720  
payload community is

55  
00:03:52,309 --> 00:03:50,560  
evaluating the data

56  
00:03:53,910 --> 00:03:52,319  
that's being returned from the

57  
00:03:56,149 --> 00:03:53,920  
instruments in the payload bay that make

58  
00:03:57,509 --> 00:03:56,159  
up the attitude measurement system

59  
00:03:59,830 --> 00:03:57,519  
they have yet

60  
00:04:04,789 --> 00:03:59,840  
as yet determined

61  
00:04:05,990 --> 00:04:04,799  
attitude measurement system is locking

62  
00:04:08,070 --> 00:04:06,000  
onto the

63  
00:04:09,270 --> 00:04:08,080

pamsteu satellite

64

00:04:11,589 --> 00:04:09,280

gathering

65

00:04:12,869 --> 00:04:11,599

targeting data on the satellite

66

00:04:15,589 --> 00:04:12,879

or whether it

67

00:04:17,749 --> 00:04:15,599

again is locking onto a another target

68

00:04:19,349 --> 00:04:17,759

either in the payload bay

69

00:04:51,189 --> 00:04:19,359

of the or somewhere in the payload bay

70

00:04:56,790 --> 00:04:53,590

endeavor we have good bright video of

71

00:04:58,390 --> 00:04:56,800

stu on the ground now

72

00:05:01,510 --> 00:04:58,400

okay

73

00:05:03,590 --> 00:05:01,520

yeah chris uh you've probably seen uh

74

00:05:05,270 --> 00:05:03,600

this on the ground too with the video

75

00:05:08,310 --> 00:05:05,280

you've gotten so far

76

00:05:11,029 --> 00:05:08,320

but uh we've been seeing um very little

77

00:05:13,189 --> 00:05:11,039

coding basically it's

78

00:05:14,070 --> 00:05:13,199

what we've been seeing is a yaw

79

00:05:18,070 --> 00:05:14,080

and

80

00:05:23,350 --> 00:05:18,080

seen is probably

81

00:05:27,830 --> 00:05:25,670

dan we copy and concur and it sure looks

82

00:05:30,950 --> 00:05:27,840

like it's down to uh almost nothing

83

00:05:34,230 --> 00:05:31,909

yeah

84

00:05:35,590 --> 00:05:34,240

we concur and we've been kind of holding

85

00:05:37,110 --> 00:05:35,600

close uh

86

00:05:40,390 --> 00:05:37,120

kurt's been flying pretty close to the

87

00:05:41,749 --> 00:05:40,400

v-bar to to confirm that

88

00:05:42,629 --> 00:05:41,759

and uh

89

00:05:45,110 --> 00:05:42,639

really

90

00:05:47,510 --> 00:05:45,120

hard to give you any uh any indication

91

00:05:49,990 --> 00:05:47,520

about any role that we see

92

00:05:51,990 --> 00:05:50,000

but uh can probably pick that up uh from

93

00:07:03,029 --> 00:05:52,000

the recorded video or what what you see

94

00:07:07,909 --> 00:07:04,950

space station mir this is shuttle

95

00:07:09,830 --> 00:07:07,919

endeavour hello yuri yuri and shannon we

96

00:07:12,629 --> 00:07:09,840

wish you continued success during your

97

00:07:15,990 --> 00:07:12,639

mission on mir congratulations to yuri

98

00:07:18,550 --> 00:07:16,000

and yuri on a successful eva everything

99

00:07:29,990 --> 00:07:18,560

is fine on the shuttle uh how is it

100

00:07:34,309 --> 00:07:31,909

you very much endeavor for your good

101  
00:07:52,230 --> 00:07:34,319  
wishes how are you doing how are you

102  
00:07:58,469 --> 00:07:54,710  
so far we haven't seen you we haven't

103  
00:08:00,950 --> 00:07:58,479  
been able to see shuttle flying by too

104  
00:08:00,960 --> 00:08:05,749  
we're here how are you doing

105  
00:08:09,909 --> 00:08:07,589  
well we're doing just fine shannon we're

106  
00:08:10,790 --> 00:08:09,919  
on our ninth day and we're in the middle

107  
00:08:12,710 --> 00:08:10,800  
of

108  
00:08:14,390 --> 00:08:12,720  
station keeping on a rendezvous with a

109  
00:08:17,430 --> 00:08:14,400  
small test satellite

110  
00:08:21,909 --> 00:08:17,440  
it's been a very exciting flight for us

111  
00:08:27,510 --> 00:08:24,950  
wow that's a lot that is really neat

112  
00:08:29,990 --> 00:08:27,520  
well let's see i'm in my uh 60 somewhat

113  
00:08:30,790 --> 00:08:30,000

day and you're in yuri you're um in

114

00:08:33,430 --> 00:08:30,800

there

115

00:08:37,670 --> 00:08:33,440

oh 90 days

116

00:08:44,790 --> 00:08:39,269

and everything is going along just real

117

00:08:49,269 --> 00:08:46,790

that's good to hear i i can't imagine

118

00:08:51,350 --> 00:08:49,279

being up there for uh i guess you said

119

00:08:53,190 --> 00:08:51,360

six to five days and you're in yuri

120

00:08:55,190 --> 00:08:53,200

ninety days so

121

00:08:59,430 --> 00:08:55,200

we're wondering if you uh had gotten

122

00:09:04,150 --> 00:09:01,670

uh yes we've gotten started working in

123

00:09:06,150 --> 00:09:04,160

florida and uh everything so far has

124

00:09:07,910 --> 00:09:06,160

been going along just real well and

125

00:09:10,710 --> 00:09:07,920

since i've been up here yuri and uri

126  
00:09:13,190 --> 00:09:10,720  
have done two ebas they've done those in

127  
00:09:15,110 --> 00:09:13,200  
the last week they did one before i got

128  
00:09:16,790 --> 00:09:15,120  
here and now they're getting ready to do

129  
00:09:18,949 --> 00:09:16,800  
another one this weekend and it was just

130  
00:09:20,389 --> 00:09:18,959  
really exciting watching them out there

131  
00:09:22,230 --> 00:09:20,399  
working on the space station and doing

132  
00:09:23,509 --> 00:09:22,240  
their ebay

133  
00:09:26,550 --> 00:09:23,519  
how many more days are you going to be

134  
00:09:30,389 --> 00:09:28,470  
we're supposed to come back uh it's

135  
00:09:31,910 --> 00:09:30,399  
supposed to be a 10-day flight so flight

136  
00:09:33,670 --> 00:09:31,920  
day 11 will

137  
00:09:35,910 --> 00:09:33,680  
do the deorbit burn and come back that

138  
00:09:39,829 --> 00:09:35,920

sounds like a short time compared to the

139

00:09:42,870 --> 00:09:41,190

yeah it really is funny how your

140

00:09:45,430 --> 00:09:42,880

perspective changes and that really does

141

00:09:46,949 --> 00:09:45,440

seem like an awfully short time well you

142

00:09:59,829 --> 00:09:46,959

know as long as you're up here you might

143

00:10:06,230 --> 00:10:02,230

we have a request to you we'd like you

144

00:10:19,750 --> 00:10:06,240

to pass on our best wishes to sts-76

145

00:10:25,030 --> 00:10:22,550

and shannon also would like to find out

146

00:10:28,630 --> 00:10:25,040

for the status on the atlantis that's

147

00:10:34,389 --> 00:10:28,640

supposed to dock with us in august and

148

00:10:38,470 --> 00:10:36,870

okay we will pass on uh greetings to the

149

00:10:41,190 --> 00:10:38,480

76 crew

150

00:10:42,470 --> 00:10:41,200

and as far as i know atlantis is on

151  
00:10:55,350 --> 00:10:42,480  
track shannon they're going to come and

152  
00:10:58,870 --> 00:10:56,630  
well you can tell everybody that i'm

153  
00:11:00,949 --> 00:10:58,880  
getting along just real fine and also

154  
00:11:03,829 --> 00:11:00,959  
you can pass along uh you know to all

155  
00:11:05,590 --> 00:11:03,839  
the people in our office that this is

156  
00:11:07,910 --> 00:11:05,600  
really a great deal and i'm really

157  
00:11:08,949 --> 00:11:07,920  
having a good time and

158  
00:11:10,230 --> 00:11:08,959  
you know

159  
00:11:25,110 --> 00:11:10,240  
they all ought to sign up for the

160  
00:11:30,230 --> 00:11:27,110  
thank you very much for your good luck

161  
00:11:32,470 --> 00:11:30,240  
wishes we also wish you good luck and a

162  
00:11:38,470 --> 00:11:32,480  
very successful flight

163  
00:11:38,480 --> 00:11:42,389

thank you very much

164

00:11:44,710 --> 00:11:43,910

yeah it was really good talking to you

165

00:11:46,790 --> 00:11:44,720

john

166

00:11:48,630 --> 00:11:46,800

it's funny i thought you know i thought

167

00:11:50,310 --> 00:11:48,640

that maybe at some point we would fly

168

00:11:51,269 --> 00:11:50,320

together but i never thought we'd be in

169

00:11:53,190 --> 00:11:51,279

space

170

00:11:56,629 --> 00:11:53,200

uh at the same time but in different

171

00:11:58,470 --> 00:11:56,639

vehicles but this is pretty neat

172

00:11:59,990 --> 00:11:58,480

i know this is amazing well it's good

173

00:12:01,269 --> 00:12:00,000

talking to you shannon we'll let you get

174

00:12:03,190 --> 00:12:01,279

back to work

175

00:12:05,509 --> 00:12:03,200

uh we need to uh

176

00:12:07,110 --> 00:12:05,519

get our uh our ku that is now you're

177

00:12:09,670 --> 00:12:07,120

being used for calm we need to get that

178

00:12:11,509 --> 00:12:09,680

back into our radar mode to track our

179

00:12:13,910 --> 00:12:11,519

satellites

180

00:12:16,310 --> 00:12:13,920

i'll say again goodbye and thanks very

181

00:12:16,320 --> 00:12:23,509

okay goodbye

182

00:12:30,870 --> 00:12:24,389

thank you