



1
00:01:47,280 --> 00:01:41,940
Atlantis Houston good morning good

2
00:01:49,800 --> 00:01:47,290
morning chilly that was awake the Harpe

3
00:01:56,360 --> 00:01:49,810
by hiding some for ron sega by his

4
00:03:11,400 --> 00:01:58,680
I'll go downstairs and see if it did the

5
00:03:18,030 --> 00:03:15,510
Julie let's just leave it in Eevee a for

6
00:03:19,740 --> 00:03:18,040
the relay and are you asking if you

7
00:03:24,000 --> 00:03:19,750
should take it back to exclusive Mir at

8
00:03:25,800 --> 00:03:24,010
the end of the relay that's affirm I do

9
00:03:31,890 --> 00:03:25,810
you want me to take it back at 23:30 or

10
00:03:34,050 --> 00:03:31,900
just leave it may be a surely you can

11
00:03:46,410 --> 00:03:34,060
just leave it there and and we'll give

12
00:04:24,100 --> 00:03:46,420
you a real-time call if necessary that's

13
00:04:31,010 --> 00:04:28,280

and for our Dave I'll just hold up the I

14

00:04:39,130 --> 00:04:31,020

do that for you any idea what it size

15

00:04:47,660 --> 00:04:42,710

so maybe they go about trying to pack

16

00:05:32,650 --> 00:04:47,670

the order yet hold this up to the end we

17

00:05:32,660 --> 00:06:07,490

Harold's operon

18

00:07:00,540 --> 00:06:53,040

okay okay okay okay we'll bring down the

19

00:07:45,780 --> 00:07:02,520

affirmative we have video of the flight

20

00:08:51,040 --> 00:08:48,400

in the water kind of amazing Rick that

21

00:08:53,740 --> 00:08:51,050

our excess water we need to get rid of

22

00:08:58,530 --> 00:08:53,750

is exactly what they need it certainly

23

00:09:05,920 --> 00:09:01,960

perfect example how we can mystically

24

00:09:07,990 --> 00:09:05,930

use our abilities of the two programs

25

00:09:21,130 --> 00:09:08,000

for the two vehicles to get more

26
00:09:23,320 --> 00:09:21,140
accomplished the docking adapter heading

27
00:09:27,250 --> 00:09:23,330
over to the beer Space Station as you

28
00:09:28,960 --> 00:09:27,260
can see throughout it's pretty crowded

29
00:09:30,610 --> 00:09:28,970
in the passageways there most of these

30
00:09:47,840 --> 00:09:30,620
bags are filled with transfer items

31
00:09:53,400 --> 00:09:51,960
the way you always do them in the

32
00:10:00,810 --> 00:09:53,410
airplane you might as well do them here

33
00:10:09,700 --> 00:10:00,820
right a few less G's that we apply of

34
00:10:15,290 --> 00:10:12,650
our transit route today on this tour

35
00:10:18,470 --> 00:10:15,300
starts with the docking adaptor and that

36
00:10:30,220 --> 00:10:18,480
on our way to the node we are transiting

37
00:10:33,470 --> 00:10:30,230
through the crystal module the beers

38
00:10:35,770 --> 00:10:33,480

requirements cable that we're going to

39

00:10:38,660 --> 00:10:35,780

see all the way into the base block is

40

00:12:44,710 --> 00:10:38,670

for the bits view that sends audio

41

00:12:51,139 --> 00:12:47,750

it's not a great capability that our

42

00:14:31,020 --> 00:12:51,149

shuttle has taking down or the back down

43

00:14:57,680 --> 00:14:34,150

one of the documents that we use to work

44

00:14:57,690 --> 00:15:41,180

all the way down to move along with

45

00:16:00,020 --> 00:15:43,500

three of course Russian equipment but

46

00:16:08,450 --> 00:16:02,400

kind of speeded the rate up a little bit

47

00:16:10,890 --> 00:16:08,460

here certainly hope not to use those

48

00:16:28,280 --> 00:16:10,900

Soyuz modules but it's nice to know

49

00:16:41,990 --> 00:16:31,170

opportunity for that the privacy during

50

00:16:48,019 --> 00:16:44,389

so we're approaching the node here

51
00:16:56,650 --> 00:16:48,029
shortly and then we'll be taking the

52
00:16:56,660 --> 00:17:48,390
we always have the right one the way

53
00:17:54,880 --> 00:17:51,550
copy that Rick and we have to use that

54
00:18:07,330 --> 00:17:54,890
thing quite a few more times so let's be

55
00:18:10,320 --> 00:18:07,340
careful with it ODS we're at Chili's

56
00:18:15,910 --> 00:18:12,430
it's apparent we're going to take a turn

57
00:18:18,300 --> 00:18:15,920
after the Spacehab as Ron is taking some

58
00:18:26,019 --> 00:18:18,310
transfer items out of the space capsule

59
00:18:31,539 --> 00:18:28,930
these items most of these items here are

60
00:18:35,019 --> 00:18:31,549
items that are kept stowed to be

61
00:18:36,820 --> 00:18:35,029
returned on board the shuttle but we

62
00:21:26,760 --> 00:18:36,830
have not yet packed them up for final

63
00:21:26,770 --> 00:24:34,300

doctor

64

00:24:42,520 --> 00:24:39,070

as well as characterizing the radiation

65

00:24:59,830 --> 00:24:42,530

will be carrying on doing similar work

66

00:25:09,410 --> 00:25:06,230

after will continue and we'll have a US

67

00:25:11,750 --> 00:25:09,420

presence obtaining science on here

68

00:25:13,550 --> 00:25:11,760

during this phase of our joint program

69

00:25:15,860 --> 00:25:13,560

and leading us into the International

70

00:26:19,290 --> 00:25:15,870

Space Station thank you you're catching

71

00:27:10,870 --> 00:27:08,160

mr. Houston please go ahead two space

72

00:27:17,710 --> 00:27:10,880

vehicles station and shuttle this is a

73

00:27:27,070 --> 00:27:17,720

wonderful picture these two systems very

74

00:27:35,760 --> 00:27:27,080

good together these two systems fly

75

00:27:42,270 --> 00:27:38,490

precursor for the futures alpha station

76

00:27:45,190 --> 00:27:42,280

I'd like to thank everybody who took

77

00:27:47,740 --> 00:27:45,200

participated in this project they did a

78

00:27:49,600 --> 00:27:47,750

great deal of work and have allowed us

79

00:27:56,130 --> 00:27:49,610

to understand each other better and to

80

00:28:21,250 --> 00:27:58,360

and when is the shuttle going to pull

81

00:28:22,840 --> 00:28:21,260

away this is going to be really I'm

82

00:28:25,029 --> 00:28:22,850

looking forward to when you get back to

83

00:28:27,460 --> 00:28:25,039

get a sense from an American what it's

84

00:28:28,899 --> 00:28:27,470

like to be in state so long Russian

85

00:28:32,049 --> 00:28:28,909

friends have been there for more than a

86

00:28:34,600 --> 00:28:32,059

year on single missions and I think this

87

00:28:36,760 --> 00:28:34,610

mission that you have is going to really

88

00:28:38,680 --> 00:28:36,770

help us better understand how to prepare

89

00:28:40,450 --> 00:28:38,690

for the International Space Station and

90

00:28:42,299 --> 00:28:40,460

we're not just interested in the

91

00:28:45,100 --> 00:28:42,309

technical things some of the

92

00:28:47,350 --> 00:28:45,110

psychological impacts of isolation up in

93

00:28:49,990 --> 00:28:47,360

space is pretty important also you know

94

00:28:51,310 --> 00:28:50,000

we learn from Rockets mission and I

95

00:28:52,690 --> 00:28:51,320

really hope when you come back we'll

96

00:28:55,450 --> 00:28:52,700

have a chance to talk to you about your

97

00:28:56,649 --> 00:28:55,460

observations of what it feels like to be

98

00:29:21,250 --> 00:28:56,659

up there but you'll be connected

99

00:29:23,860 --> 00:29:21,260

electronically and I know you have to do

100

00:29:25,299 --> 00:29:23,870

I just want to once again say before the

101

00:29:27,880 --> 00:29:25,309

mission is even complete we'll have

102

00:29:29,529 --> 00:29:27,890

proud I am of you and how pleased I am

103

00:29:31,870 --> 00:29:29,539

that we're working so cooperatively with

104

00:29:34,120 --> 00:29:31,880

our Russian friends and I think the

105

00:29:35,590 --> 00:29:34,130

world is in from a whole new era at the

106

00:29:37,840 --> 00:29:35,600

turn of the century because of what

107

00:29:41,500 --> 00:29:37,850

you're doing today thank you so much and

108

00:29:44,760 --> 00:29:41,510

God bless you all Thank You mr. golden

109

00:29:46,750 --> 00:29:44,770

and God bless you and I want to

110

00:29:48,100 --> 00:29:46,760

congratulate the rest of the crew up

111

00:29:49,269 --> 00:29:48,110

there these guys are really been working