



1  
00:00:03,990 --> 00:00:01,910  
yeah flight director royce renfrew went

2  
00:00:06,230 --> 00:00:04,000  
around the room here for the go no go

3  
00:00:08,629 --> 00:00:06,240  
pole for readiness to dock to the

4  
00:00:10,870 --> 00:00:08,639  
international space station the soyuz 35

5  
00:00:13,589 --> 00:00:10,880  
vehicle and its three-person crew and

6  
00:00:15,190 --> 00:00:13,599  
got a unanimous go for docking from all

7  
00:00:18,230 --> 00:00:15,200  
of the international space station

8  
00:00:20,150 --> 00:00:18,240  
flight controllers here in the room

9  
00:00:21,670 --> 00:00:20,160  
has been sent is this

10  
00:00:23,830 --> 00:00:21,680  
better or

11  
00:00:27,029 --> 00:00:23,840  
do you want to and here's a look at some

12  
00:00:30,150 --> 00:00:27,039  
of the live telemetry and video pictures

13  
00:00:31,910 --> 00:00:30,160

from the soyuz 35 spacecraft as it

14

00:00:35,030 --> 00:00:31,920

brings fyodor your chicken

15

00:00:36,870 --> 00:00:35,040

karen nyberg and luca parmitano within

16

00:00:39,510 --> 00:00:36,880

clear visual range of the international

17

00:00:41,190 --> 00:00:39,520

space station now just under two

18

00:00:44,470 --> 00:00:41,200

kilometers to the international space

19

00:00:49,270 --> 00:00:44,480

station coming up on impulse burn

20

00:00:56,470 --> 00:00:51,830

continuing to refine the approach to the

21

00:01:00,150 --> 00:00:58,709

lower left hand corner of the screen on

22

00:01:02,790 --> 00:01:00,160

this downlink view from the external

23

00:01:05,109 --> 00:01:02,800

cameras you can see the soyuz as it

24

00:01:20,789 --> 00:01:05,119

continues to match orbits with the

25

00:01:20,799 --> 00:01:26,310

300 meters range

26

00:01:34,230 --> 00:01:29,030

1.68 meters per second

27

00:01:39,270 --> 00:01:36,550

0 455.

28

00:01:42,710 --> 00:01:39,280

we might have los on this band for about

29

00:01:50,230 --> 00:01:45,510

zero four fifty five but we might have a

30

00:01:55,510 --> 00:01:52,550

soyuz maintaining a distance of about

31

00:01:57,830 --> 00:01:55,520

300 meters as it does this fly around to

32

00:01:59,910 --> 00:01:57,840

align itself with the docking port

33

00:02:01,590 --> 00:01:59,920

once it is in

34

00:02:04,749 --> 00:02:01,600

general alignment with the docking port

35

00:02:07,830 --> 00:02:04,759

we'll begin the station keeping period

36

00:02:09,510 --> 00:02:07,840

270 meters station keeping uh scheduled

37

00:02:12,390 --> 00:02:09,520

to begin at uh

38

00:02:18,630 --> 00:02:12,400

58 minutes before the hour

39

00:02:23,589 --> 00:02:21,270

here is uh the up front and

40

00:02:25,589 --> 00:02:23,599

close view from the cameras on the soyuz

41

00:02:27,990 --> 00:02:25,599

spacecraft as it hones in on the

42

00:02:30,309 --> 00:02:28,000

rossviet module again that stands for

43

00:02:32,070 --> 00:02:30,319

dawn

44

00:02:38,710 --> 00:02:32,080

it is one of the earth-facing docking

45

00:02:38,720 --> 00:02:41,309

i'm

46

00:02:41,319 --> 00:02:59,830

closing with them

47

00:03:04,869 --> 00:03:02,229

uh so to the right one down from the

48

00:03:06,710 --> 00:03:04,879

center of the crosshair copy

49

00:03:11,509 --> 00:03:06,720

knows the new score is that you're going

50

00:03:13,589 --> 00:03:11,519

to and closing 50 meters is the rate

51  
00:03:15,910 --> 00:03:13,599  
soyuz spacecraft now 50 meters out from

52  
00:03:26,390 --> 00:03:15,920  
the international space station closing

53  
00:03:26,400 --> 00:03:43,430  
here's the line

54  
00:03:43,440 --> 00:03:54,630  
is

55  
00:04:22,790 --> 00:03:57,030  
1.5 cells relative to the diameter of

56  
00:04:27,030 --> 00:04:24,790  
visiting vehicle officer reports that

57  
00:04:29,350 --> 00:04:27,040  
the soyuz docking mechanism is now

58  
00:04:31,430 --> 00:04:29,360  
powered up and ready to

59  
00:04:33,189 --> 00:04:31,440  
make contact with the russia docking

60  
00:04:35,990 --> 00:04:33,199  
port

61  
00:04:51,830 --> 00:04:36,000  
here's another look at that telemetry as

62  
00:04:55,830 --> 00:04:53,670  
visiting vehicle officer reporting to

63  
00:04:58,870 --> 00:04:55,840

flight director royce renfro that we're

64

00:05:03,430 --> 00:05:01,110

here's the line

65

00:05:08,390 --> 00:05:03,440

we have roll discrepancy see the change

66

00:05:08,400 --> 00:05:19,990

device

67

00:05:20,000 --> 00:05:24,310

zero point one

68

00:05:28,230 --> 00:05:26,310

you can see that black uh circle with

69

00:05:30,950 --> 00:05:28,240

the white crosshairs uh the docking

70

00:05:32,629 --> 00:05:30,960

target that uh the automated systems are

71

00:05:34,629 --> 00:05:32,639

honing in on

72

00:05:36,830 --> 00:05:34,639

in your upper left hand corner is the

73

00:05:40,870 --> 00:05:36,840

docking port

74

00:05:43,270 --> 00:05:40,880

itself uh target center is less than one

75

00:05:45,270 --> 00:05:43,280

cell below the cursor across here 14

76

00:05:50,790 --> 00:05:45,280

meters out but

77

00:05:56,550 --> 00:05:53,670

remember

78

00:05:57,909 --> 00:05:56,560

target length is uh 1.5 cells slightly

79

00:06:00,629 --> 00:05:57,919

less

80

00:06:04,309 --> 00:06:02,550

source there's the line

81

00:06:13,990 --> 00:06:04,319

target is in the center of the cross

82

00:07:06,150 --> 00:06:27,350

is

83

00:07:09,589 --> 00:07:06,160

the line

84

00:07:11,990 --> 00:07:09,599

from the center of the crosstalk

85

00:07:13,510 --> 00:07:12,000

target is pretty much at the center of

86

00:07:17,110 --> 00:07:13,520

the processor

87

00:07:20,150 --> 00:07:17,120

123 and 2011 and close

88

00:07:26,309 --> 00:07:20,160

the target is in the center of four

89

00:07:32,550 --> 00:07:27,990

so you put the target in the center

90

00:07:37,589 --> 00:07:35,029

contact confirmed we have a initial

91

00:07:40,230 --> 00:07:37,599

docking of the soyuz 35 spacecraft

92

00:07:42,629 --> 00:07:40,240

carrying commander theodore yoshikin

93

00:07:44,869 --> 00:07:42,639

nasa astronaut karen nyberg and european