



1
00:00:04,630 --> 00:00:02,310
moscow station this right here a live

2
00:00:08,070 --> 00:00:04,640
view from the control panel found inside

3
00:00:09,910 --> 00:00:08,080
of the soyuz tma-19m spacecraft

4
00:00:12,789 --> 00:00:09,920
russian cosmonaut yuri malenchenko in

5
00:00:14,789 --> 00:00:12,799
the center seat commanding the vehicle

6
00:00:17,750 --> 00:00:14,799
however today's

7
00:00:20,630 --> 00:00:17,760
rendezvous undocking should be automated

8
00:00:23,189 --> 00:00:20,640
per the nominal or the normal plan

9
00:00:26,150 --> 00:00:23,199
using the cores or automated rendezvous

10
00:00:27,990 --> 00:00:26,160
and docking system 2100 and then small

11
00:00:29,589 --> 00:00:28,000
square on the left side of the command

12
00:00:32,389 --> 00:00:29,599
panel you can actually see that it's a

13
00:00:34,069 --> 00:00:32,399

camera view from the soyuz craft itself

14

00:00:37,110 --> 00:00:34,079

the international space station coming

15

00:00:39,270 --> 00:00:37,120

into view just beneath center of the

16

00:00:41,190 --> 00:00:39,280

screen copy

17

00:00:44,310 --> 00:00:41,200

and everything going smoothly with

18

00:00:47,110 --> 00:00:44,320

today's operations continuing to hone in

19

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

on that docking port the rassvet module

20

00:01:09,030 --> 00:00:49,200

just a little over 30 minutes away from

21

00:01:14,469 --> 00:01:12,550

a docking probe sticks out of the

22

00:01:17,429 --> 00:01:14,479

very top of the soyuz craft on the very

23

00:01:19,749 --> 00:01:17,439

top of the orbital module that'll go

24

00:01:22,230 --> 00:01:19,759

into the docking cone will get that

25

00:01:24,469 --> 00:01:22,240

initial contact with the cone

26

00:01:26,710 --> 00:01:24,479

and then following that the capture

27

00:01:28,310 --> 00:01:26,720

in which the probe enters into the

28

00:01:30,710 --> 00:01:28,320

docking mechanism

29

00:01:32,469 --> 00:01:30,720

uh after that initial capture the probe

30

00:01:34,870 --> 00:01:32,479

will retract

31

00:01:38,950 --> 00:01:34,880

giving a uh a more tight

32

00:01:41,510 --> 00:01:38,960

uh seal between the soyuz craft and the

33

00:01:43,749 --> 00:01:41,520

the international space station itself

34

00:01:46,310 --> 00:01:43,759

300 for range and once in station

35

00:01:48,710 --> 00:01:46,320

keeping they'll make sure the soyuz uh

36

00:01:50,870 --> 00:01:48,720

is in its final alignment and fine tune

37

00:01:52,710 --> 00:01:50,880

uh the path towards the

38

00:01:54,870 --> 00:01:52,720

rossviet module and one station

39

00:01:57,109 --> 00:01:54,880

keeping's complete they'll get to go and

40

00:01:59,510 --> 00:01:57,119

they'll begin their final approach and

41

00:02:01,350 --> 00:01:59,520

head on in towards that rossviet docking

42

00:02:20,550 --> 00:02:01,360

module on the earth-facing side of the

43

00:02:25,350 --> 00:02:23,750

we see that you're in two planes and

44

00:02:28,550 --> 00:02:25,360

that you

45

00:02:30,309 --> 00:02:28,560

in relation to the crosshairs and we are

46

00:02:33,350 --> 00:02:30,319

a little bit more the crosshairs is

47

00:02:46,630 --> 00:02:37,990

yes in regards to the solari and we got

48

00:02:46,640 --> 00:02:53,270

rocket

49

00:02:58,869 --> 00:02:55,990

hairs are aligned so we are at the range

50

00:03:00,869 --> 00:02:58,879

of 50 meters range rate is zero minus

51

00:03:02,630 --> 00:03:00,879

0.21

52

00:03:05,030 --> 00:03:02,640

the crosshairs are aligned and we see

53

00:03:10,390 --> 00:03:05,040

the target clearly

54

00:03:14,790 --> 00:03:13,509

station on space to ground one

55

00:03:25,670 --> 00:03:14,800

sergey

56

00:03:25,680 --> 00:03:30,550

yes we're getting the video

57

00:03:30,560 --> 00:03:58,710

everything's going nominally

58

00:03:58,720 --> 00:04:11,750

transition

59

00:04:17,270 --> 00:04:15,670

and so the coors automated rendezvous

60

00:04:20,550 --> 00:04:17,280

moving the soyuz back they're going to

61

00:04:23,430 --> 00:04:20,560

switch over to what's known as toru the

62

00:04:37,990 --> 00:04:23,440

manual controls allowing malenchenko to

63

00:04:55,030 --> 00:04:39,670

and we are

64

00:05:00,870 --> 00:04:57,990

we can confirm that

65

00:05:00,880 --> 00:05:05,510

we have have you selected the power bay

66

00:05:13,749 --> 00:05:07,990

and the

67

00:05:18,629 --> 00:05:16,550

at the range of three meters please

68

00:05:22,870 --> 00:05:18,639

perform stations i recommend you to do

69

00:05:22,880 --> 00:05:37,029

and

70

00:05:41,670 --> 00:05:39,430

ross viet will be relying on telemetry

71

00:05:56,230 --> 00:05:41,680

to hopefully get an exact capture time

72

00:06:01,029 --> 00:05:59,189

all right we're standing by for contact

73

00:06:09,909 --> 00:06:01,039

so i'd be standing by for contact

74

00:06:14,469 --> 00:06:11,590

and the visiting vehicle officer here in

75

00:06:16,309 --> 00:06:14,479

houston confirming contact and capture

76

00:06:19,990 --> 00:06:16,319

has occurred

77

00:06:21,909 --> 00:06:20,000

so tim copper yuri malenchenko and

78

00:06:23,510 --> 00:06:21,919

timothy peake now

79

00:06:25,749 --> 00:06:23,520

docked to the international space

80

00:06:30,070 --> 00:06:25,759

station that uh coming at