



1
00:00:11,589 --> 00:00:09,589
use agency mode

2
00:00:13,110 --> 00:00:11,599
is it better like this

3
00:00:21,910 --> 00:00:13,120
much better

4
00:00:26,150 --> 00:00:24,310
so the crew moving very quickly actually

5
00:00:28,310 --> 00:00:26,160
ahead of schedule

6
00:00:30,150 --> 00:00:28,320
already in their final approach docking

7
00:00:32,150 --> 00:00:30,160
originally slated to happen at about 5

8
00:00:34,229 --> 00:00:32,160
p.m central but looks like they were

9
00:00:36,630 --> 00:00:34,239
able to move things very quickly not

10
00:00:38,549 --> 00:00:36,640
having any issues with the vehicle and

11
00:00:41,270 --> 00:00:38,559
so already in their final approach under

12
00:00:43,110 --> 00:00:41,280
150 meters away heading towards the

13
00:00:52,229 --> 00:00:43,120

rassvet module and a dock to the

14

00:00:52,239 --> 00:00:55,830

64.

15

00:00:55,840 --> 00:01:16,550

the crew is talking to each other

16

00:01:21,190 --> 00:01:19,510

range rate is 0.71

17

00:01:22,390 --> 00:01:21,200

external video cameras are working

18

00:01:45,510 --> 00:01:22,400

nominally

19

00:01:58,069 --> 00:01:47,670

guys do you see the

20

00:02:07,590 --> 00:02:00,230

so use well in view now

21

00:02:13,990 --> 00:02:12,070

and it's a little bit up by 90 meters

22

00:02:16,309 --> 00:02:14,000

very front that we're looking at is

23

00:02:18,229 --> 00:02:16,319

essentially the top of the vehicle

24

00:02:19,910 --> 00:02:18,239

also known as the orbital module and has

25

00:02:22,630 --> 00:02:19,920

the docking probe

26

00:02:25,110 --> 00:02:22,640

that will be making contact with the

27

00:02:27,030 --> 00:02:25,120

rassvet module there's a docking cone

28

00:02:29,110 --> 00:02:27,040

and then we'll be able to make that

29

00:02:31,350 --> 00:02:29,120

initial contact and capture and then a

30

00:02:33,670 --> 00:02:31,360

soft dock for a series of latches

31

00:02:37,270 --> 00:02:33,680

engaged and then hard mate the soyuz

32

00:02:40,390 --> 00:02:37,280

vehicle into place

33

00:02:41,350 --> 00:02:40,400

just about 75 meters away continuing to

34

00:02:43,030 --> 00:02:41,360

close

35

00:02:44,630 --> 00:02:43,040

it's at about three tenths of a meter

36

00:02:46,229 --> 00:02:44,640

per second

37

00:02:48,070 --> 00:02:46,239

and it's going to continue to slow down

38

00:02:49,750 --> 00:02:48,080

during the very final phases of this

39

00:02:51,110 --> 00:02:49,760

approach but everything lined up

40

00:02:53,509 --> 00:02:51,120

everything going very well with the

41

00:02:55,589 --> 00:02:53,519

vehicle so you can definitely see uh

42

00:02:57,110 --> 00:02:55,599

night time starting to come into view on

43

00:02:58,550 --> 00:02:57,120

the earth below

44

00:03:00,790 --> 00:02:58,560

and external cameras are working

45

00:03:02,550 --> 00:03:00,800

nominally we'll copy

46

00:03:30,149 --> 00:03:02,560

ms05 just

47

00:03:30,159 --> 00:03:35,509

50 is range 0.2 is range rate

48

00:03:35,519 --> 00:03:54,309

external cameras are working nominally

49

00:03:59,589 --> 00:03:57,190

and we confirm that ss weapon docking

50

00:04:02,470 --> 00:03:59,599

system redness is illuminate the line is

51
00:04:04,630 --> 00:04:02,480
illuminated the hooks are open

52
00:04:05,750 --> 00:04:04,640
and the hooks are closed

53
00:04:06,869 --> 00:04:05,760
ss

54
00:04:12,869 --> 00:04:06,879
is ready

55
00:04:15,750 --> 00:04:12,879
and we are working for page 65.

56
00:04:18,710 --> 00:04:15,760
affirmative range is 40 meters

57
00:04:20,710 --> 00:04:18,720
range rate is 0.19

58
00:04:23,830 --> 00:04:20,720
and external cameras are working

59
00:04:26,790 --> 00:04:25,510
so continuing with the theme of the day

60
00:04:29,030 --> 00:04:26,800
everything going great with the

61
00:04:31,110 --> 00:04:29,040
spacecraft and all the systems onboard

62
00:04:33,110 --> 00:04:31,120
the station during this final approach

63
00:04:46,390 --> 00:04:33,120

just about 40 meters away from the

64

00:05:01,670 --> 00:04:48,390

there is bad method

65

00:05:06,390 --> 00:05:03,510

from the camera on the soyuz as you can

66

00:05:10,310 --> 00:05:06,400

see just under 10 meters away

67

00:05:12,230 --> 00:05:10,320

almost there standing by for capture

68

00:05:36,830 --> 00:05:12,240

here's this over there the crosshairs

69

00:05:41,590 --> 00:05:39,110

confirmed and contact and capture

70

00:05:45,189 --> 00:05:41,600

confirmed the station and the soyuz

71

00:05:48,230 --> 00:05:45,199

flying 252 statute miles over germany

72

00:05:51,590 --> 00:05:48,240

soyuz ms-05 vehicle docked to the

73

00:05:54,070 --> 00:05:51,600

international space station

74

00:05:56,710 --> 00:05:54,080

we close so with that the docking probe

75

00:05:58,390 --> 00:05:56,720

will retract bringing the soyuz closer

76

00:06:00,790 --> 00:05:58,400

into raspbian and then they'll be able

77

00:06:02,950 --> 00:06:00,800

to begin the final stages of docking

78

00:06:05,350 --> 00:06:02,960

which will be the latch series of

79

00:06:07,430 --> 00:06:05,360

latches engaging both on the soyuz and

80

00:06:09,590 --> 00:06:07,440

on las vegas to hard mate or really hold

81

00:06:12,070 --> 00:06:09,600

the soyuz vehicle in place

82

00:06:16,710 --> 00:06:12,080

but again docking confirmed

83

00:06:19,990 --> 00:06:16,720

4 54 p.m central time 5 54 p.m eastern