



1
00:00:11,749 --> 00:00:08,390
you can see the uh periodic firing of

2
00:00:13,749 --> 00:00:11,759
thrusters as the soyuz continues its

3
00:00:15,669 --> 00:00:13,759
very slow approach

4
00:00:20,870 --> 00:00:15,679
under the guidance of its automated

5
00:00:26,070 --> 00:00:23,670
so far a precise alignment for the soyuz

6
00:00:28,710 --> 00:00:26,080
forward docking probe

7
00:00:32,150 --> 00:00:28,720
the docking mechanism uh on the forward

8
00:00:34,870 --> 00:00:32,160
end of the habitation module of the

9
00:00:41,709 --> 00:00:34,880
soyuz ms01 spacecraft will be activated

10
00:00:41,719 --> 00:00:45,190
now let's

11
00:00:50,869 --> 00:00:48,950
range is 0.6 range rate is 0.26 the

12
00:00:52,389 --> 00:00:50,879
cross here is a line and the target is

13
00:01:08,550 --> 00:00:52,399

in the center of this

14

00:01:13,990 --> 00:01:10,789

the soyuz now within 50 meters of

15

00:01:17,109 --> 00:01:16,070

so far so good all of the systems

16

00:01:19,190 --> 00:01:17,119

functioning

17

00:01:22,390 --> 00:01:19,200

in perfect fashion for this brand new

18

00:01:38,469 --> 00:01:24,469

sorry this is the center of the screen

19

00:01:45,749 --> 00:01:43,030

0.48 is the range 0.21 range rate

20

00:01:49,749 --> 00:01:45,759

the crosshairs are aligned

21

00:01:51,830 --> 00:01:49,759

and we have the ss weapon docking and

22

00:01:53,190 --> 00:01:51,840

internal transfer system

23

00:01:55,910 --> 00:01:53,200

yes

24

00:02:00,789 --> 00:01:55,920

led is illuminated ss the docking

25

00:02:00,799 --> 00:02:06,069

we copy

26
00:02:10,949 --> 00:02:08,070
that call indicating that the brand-new

27
00:02:13,110 --> 00:02:10,959
led light basically a new headlight on

28
00:02:14,949 --> 00:02:13,120
the soyuz spacecraft that was turned on

29
00:02:18,070 --> 00:02:14,959
to illuminate the docking target for

30
00:02:28,710 --> 00:02:18,080
situational awareness for ivanishin

31
00:02:28,720 --> 00:02:47,830
the range is 30 meters

32
00:02:54,630 --> 00:02:48,830
range is

33
00:02:58,949 --> 00:02:56,229
zero

34
00:03:00,229 --> 00:02:58,959
16 and visually

35
00:03:03,030 --> 00:03:00,239
the

36
00:03:08,869 --> 00:03:05,110
25 meters

37
00:03:17,830 --> 00:03:13,670
range is 30 range rate is 0.12

38
00:03:21,430 --> 00:03:17,840

and the crosshairs are aligned there is

39

00:03:21,440 --> 00:03:25,350

discrepancy

40

00:03:29,910 --> 00:03:27,350

a good view of the approaching soyuz

41

00:03:31,430 --> 00:03:29,920

craft the middle section is the descent

42

00:03:33,350 --> 00:03:31,440

module that's where the three crew

43

00:03:35,589 --> 00:03:33,360

members are strapped in

44

00:03:37,910 --> 00:03:35,599

in the final few feet

45

00:03:40,149 --> 00:03:37,920

prior to contact and capture

46

00:03:43,509 --> 00:03:40,159

and their arrival at the international

47

00:03:43,519 --> 00:04:06,350

and i sent the art command

48

00:04:11,429 --> 00:04:10,550

0.24 is the range 0.14 is range rate and

49

00:04:14,149 --> 00:04:11,439

there is

50

00:04:21,830 --> 00:04:14,159

one degree discrepancy the crosshairs

51
00:04:26,390 --> 00:04:24,230
approaching 20 meters between the soyuz

52
00:04:29,670 --> 00:04:26,400
and the international space station

53
00:04:32,070 --> 00:04:29,680
you can see uh the crosshairs on this

54
00:04:33,830 --> 00:04:32,080
engineering camera on the soyuz

55
00:04:36,469 --> 00:04:33,840
spacecraft coming into alignment with

56
00:04:38,390 --> 00:04:36,479
the docking target as planned

57
00:04:41,189 --> 00:04:38,400
the two vehicles the soyuz and the space

58
00:04:52,390 --> 00:04:41,199
station 254 statute miles over the south

59
00:04:59,189 --> 00:04:57,270
range is 0.16 range rate is 0.11

60
00:05:01,070 --> 00:04:59,199
visually the crosshairs are aligned

61
00:05:02,790 --> 00:05:01,080
visually the range is

62
00:05:05,189 --> 00:05:02,800
0.1

63
00:05:17,909 --> 00:05:05,199

10 meters and there is one

64

00:05:17,919 --> 00:05:28,710

the range is eight meters

65

00:05:40,629 --> 00:05:31,029

one degree down from the crosshairs the

66

00:05:44,870 --> 00:05:42,790

we're just inside 10 meters now as we

67

00:05:49,749 --> 00:05:44,880

stand by for contact and capture of the

68

00:05:59,029 --> 00:05:52,710

monitor and visually the right the range

69

00:06:03,110 --> 00:06:00,950

the target is in the center there is a

70

00:06:06,550 --> 00:06:03,120

slight

71

00:06:08,230 --> 00:06:06,560

misalignment in the crosshairs

72

00:06:10,790 --> 00:06:08,240

range is three

73

00:06:13,590 --> 00:06:10,800

the role has stabilized there is no role

74

00:06:32,629 --> 00:06:13,600

now there is no role deviation we're

75

00:06:32,639 --> 00:06:44,550

confirmed

76
00:06:49,990 --> 00:06:47,270
for the brand new soyuz ms01 spacecraft

77
00:06:50,950 --> 00:06:50,000
docking confirmed at 1106 pm central

78
00:06:55,589 --> 00:06:50,960
time

79
00:06:57,670 --> 00:06:55,599
as the international space station and

80
00:07:00,790 --> 00:06:57,680
the soyuz and its three crew members

81
00:07:03,430 --> 00:07:00,800
flew 254 statute miles over the south

82
00:07:04,870 --> 00:07:03,440
pacific three new crew members have

83
00:07:07,749 --> 00:07:04,880
arrived at the international space

84
00:07:11,110 --> 00:07:07,759
station after a perfect shakedown