1
00:00:05,510 --> 00:00:03,189
this right here a live view from the

2
00:00:08,310 --> 00:00:05,520
control panel found inside of the soyuz

3
00:00:10,230 --> 00:00:08,320
tma-19m spacecraft

4
00:00:13,110 --> 00:00:10,240
russian cosmonaut yuri malenchenko in

5
00:00:15,110 --> 00:00:13,120
the center seat commanding the vehicle

6
00:00:17,670 --> 00:00:15,120
however today's

7
00:00:20,950 --> 00:00:17,680
rendezvous undocking should be automated

8
00:00:23,429 --> 00:00:20,960
uh per the nominal or the normal plan by

9
00:00:26,070 --> 00:00:23,439
using the cores or automated rendezvous

10
00:00:27,830 --> 00:00:26,080
and docking system 2100 and the meters

11
00:00:29,509 --> 00:00:27,840
small square on the left side of the

12
00:00:31,509 --> 00:00:29,519
command panel you can actually see

13
00:00:33,590 --> 00:00:31,519

that's a camera view from the soyuz

14
00:00:36,549 --> 00:00:33,600
craft itself the international space

15
00:00:46,950 --> 00:00:36,559
station coming into view just beneath

16
00:00:50,950 --> 00:00:48,709
and the external cameras from the

17
00:00:53,750 --> 00:00:50,960
international space station getting the

18
00:00:55,910 --> 00:00:53,760
soyuz spacecraft in view now

19
00:00:56,709 --> 00:00:55,920
you can see it here

20
00:01:08,149 --> 00:00:56,719
on

21
00:01:11,590 --> 00:01:09,990
we can

22
00:01:15,429 --> 00:01:11,600
see the

23
00:01:21,030 --> 00:01:17,910
400 meters

24
00:01:39,670 --> 00:01:21,040
uh awaiting

25
00:01:39,680 --> 00:01:54,310
fly around

26
00:02:00,870 --> 00:01:58,469
yeah so the range is 300 range rate is

27
00:02:03,190 --> 00:02:00,880
inaudible 75

28
00:02:04,950 --> 00:02:03,200
0.75

29
00:02:16,550 --> 00:02:04,960
copy

30
00:02:16,560 --> 00:02:24,869
and agari we see that your thrusters

31
00:02:29,110 --> 00:02:25,750
and

32
00:02:36,309 --> 00:02:29,120
we are moving towards the axis of the

33
00:02:41,589 --> 00:02:38,309
and the city is coming up on 90 meters

34
00:02:46,509 --> 00:02:44,869
range is 70 meters and range range range

35
00:02:51,589 --> 00:02:46,519
rate is minus

36
00:02:56,309 --> 00:02:53,670
continuing to get great views of the

37
00:02:59,670 --> 00:02:56,319
soyuz craft as it inches its way towards

38
00:03:03,110 --> 00:02:59,680

the international space station

39
00:03:15,509 --> 00:03:03,120
under uh 30 meters away now from the

40
00:03:15,519 --> 00:03:22,309
reporting

41
00:03:27,830 --> 00:03:25,270
and the range is 25

42
00:03:29,110 --> 00:03:27,840
meters and the crosshairs are aligned

43
00:03:37,670 --> 00:03:29,120
once again

44
00:04:03,350 --> 00:03:58,309
so

45
00:04:04,869 --> 00:04:03,360
meters away now from docking

46
00:04:07,350 --> 00:04:04,879
the international space station and the

47
00:04:09,589 --> 00:04:07,360
soyuz actually just about to pass over

48
00:04:11,270 --> 00:04:09,599
the united kingdom home to one of the

49
00:04:13,270 --> 00:04:11,280
astronauts in

50
00:04:15,429 --> 00:04:13,280
inside that soyuz craft right now tim

51
00:04:17,189 --> 00:04:15,439
peake the first british astronaut to

52
00:04:19,749 --> 00:04:17,199
make the journey to the international

53
00:04:27,030 --> 00:04:19,759
space station

54
00:04:27,040 --> 00:05:08,230
everything's going nominally

55
00:05:13,749 --> 00:05:12,150
and so the coors automated rendezvous uh

56
00:05:16,550 --> 00:05:13,759
moving the soyuz back they're going to

57
00:05:19,510 --> 00:05:16,560
switch over to uh what's known as toru

58
00:05:34,469 --> 00:05:19,520
the manual controls allowing malenchenko

59
00:05:47,430 --> 00:05:36,150
and we are

60
00:05:51,189 --> 00:05:49,350
so the crew on board the soyuz working

61
00:05:53,189 --> 00:05:51,199
hand in hand with the russian mission

62
00:05:55,189 --> 00:05:53,199
control centers and coryoff

63
00:06:06,469 --> 00:05:55,199

as they discuss their forward plan in

64
00:06:11,670 --> 00:06:08,550
reporting we see the docking mechanism

65
00:06:14,390 --> 00:06:11,680
and we are performing the

66
00:06:16,150 --> 00:06:14,400
approach maneuver

67
00:06:19,430 --> 00:06:16,160
do you see the docking mechanism

68
00:06:23,510 --> 00:06:21,110
and um

69
00:06:25,990 --> 00:06:23,520
how much of the screen

70
00:06:28,230 --> 00:06:26,000
does the docking mechanism take

71
00:06:31,510 --> 00:06:28,240
and like what's

72
00:06:35,830 --> 00:06:33,510
again the soyuz craft

73
00:06:38,469 --> 00:06:35,840
moving in manually forward docking to

74
00:06:40,710 --> 00:06:38,479
the rasviet module

75
00:06:42,150 --> 00:06:40,720
what is the automated course rendezvous

76
00:06:44,550 --> 00:06:42,160
aborting but

77
00:06:46,950 --> 00:06:44,560
manual docking is something these crews

78
00:06:49,110 --> 00:06:46,960
train for extensively by using the

79
00:06:51,670 --> 00:06:49,120
tele-robotically operated control panel

80
00:06:54,230 --> 00:06:51,680
or the toru by yuri malenchenko the

81
00:06:56,629 --> 00:06:54,240
commander of the soyuz at the controls

82
00:07:05,110 --> 00:06:56,639
as they continue to move in less than 30

83
00:07:09,909 --> 00:07:08,070
all right we're standing by for contact

84
00:07:18,790 --> 00:07:09,919
so i'd be standing by for contact

85
00:07:23,350 --> 00:07:20,469
and the visiting vehicle officer here in

86
00:07:25,189 --> 00:07:23,360
houston confirming contact and capture

87
00:07:28,790 --> 00:07:25,199
has occurred

88
00:07:30,790 --> 00:07:28,800

so tim copper yuri malenchenko and

89
00:07:32,390 --> 00:07:30,800
timothy peake now

90
00:07:34,550 --> 00:07:32,400
docked to the international space

91
00:07:38,950 --> 00:07:34,560
station at uh coming at

92
00:07:40,710 --> 00:07:38,960
11 33 a.m central time 12 33 p.m

93
00:07:43,589 --> 00:07:40,720
eastern time while the station was

94
00:07:48,469 --> 00:07:43,599
flying 252 statute miles