



1
00:00:04,470 --> 00:00:02,310
uh novitskiy on the left pesquet in the

2
00:00:06,789 --> 00:00:04,480
middle and whitson on the right uh they

3
00:00:10,150 --> 00:00:06,799
posed for final pictures a final

4
00:00:12,870 --> 00:00:10,160
opportunity for some hugs and farewells

5
00:00:15,589 --> 00:00:12,880
wishing uh nowitzki and pesquet a soft

6
00:00:18,470 --> 00:00:15,599
landing on the step of kazakhstan again

7
00:00:21,269 --> 00:00:18,480
this occurring just uh before 2 30 a.m

8
00:00:23,349 --> 00:00:21,279
central time today after which novitskiy

9
00:00:27,109 --> 00:00:23,359
and pesquet made their way into the

10
00:00:28,470 --> 00:00:27,119
hatchway of the soyuz ms 03 spacecraft

11
00:00:31,029 --> 00:00:28,480
right behind them

12
00:00:33,270 --> 00:00:31,039
and there you see a final inspection of

13
00:00:35,990 --> 00:00:33,280

that hatchway that was made by fyodor

14

00:00:37,670 --> 00:00:36,000
yurchikhin the new station commander as

15

00:00:41,030 --> 00:00:37,680
uh novitskiy and pesquet began the

16

00:00:43,830 --> 00:00:41,040
procedures to close the hatch to conduct

17

00:00:45,830 --> 00:00:43,840
leak checks to make sure that we have a

18

00:00:48,549 --> 00:00:45,840
tight seal at the docking interface

19

00:00:50,869 --> 00:00:48,559
between the soyuz and the rassvet module

20

00:00:52,790 --> 00:00:50,879
at the earth-facing port of the

21

00:00:55,910 --> 00:00:52,800
international space station's russian

22

00:00:58,709 --> 00:00:55,920
segment at 2 31 a.m central time the

23

00:01:01,270 --> 00:00:58,719
soyuz hatch swung shut just about a

24

00:01:03,189 --> 00:01:01,280
minute later the rossviet module hatch

25

00:01:05,030 --> 00:01:03,199
was closed and

26

00:01:07,750 --> 00:01:05,040

the two crew members in the soyuz

27

00:01:13,030 --> 00:01:07,760

novitskiy and pesquet began the work for

28

00:01:18,070 --> 00:01:15,190

we confirm that mechanical connection is

29

00:01:43,109 --> 00:01:18,080

no longer eliminated

30

00:01:47,670 --> 00:01:46,550

and we confirm separation we see that

31

00:01:49,109 --> 00:01:47,680

the message

32

00:01:51,510 --> 00:01:49,119

ss

33

00:01:54,149 --> 00:01:51,520

or docking and internal transfer system

34

00:01:56,310 --> 00:01:54,159

mode has been completed

35

00:01:59,910 --> 00:01:56,320

over the border between mongolia and

36

00:02:02,230 --> 00:01:59,920

china the soyuz mso3 now has undocked

37

00:02:05,510 --> 00:02:02,240

from the international space station

38

00:02:11,589 --> 00:02:05,520

expedition 51 officially over expedition

39

00:02:11,599 --> 00:02:19,990

timer is running

40

00:02:25,190 --> 00:02:22,630

undocking occurring right on time at 5

41

00:02:28,070 --> 00:02:25,200

47 a.m central time

42

00:02:29,910 --> 00:02:28,080

again the undocking occurring on time as

43

00:02:32,150 --> 00:02:29,920

the international space station passed

44

00:02:36,710 --> 00:02:32,160

over the border between mongolia and

45

00:02:43,030 --> 00:02:38,390

where is the bell

46

00:02:47,110 --> 00:02:45,030

in two minutes you're going to have the

47

00:02:52,150 --> 00:02:47,120

first burn

48

00:02:55,350 --> 00:02:53,990

novitskiy and pesquet have begun the

49

00:02:56,790 --> 00:02:55,360

journey home

50

00:02:58,710 --> 00:02:56,800

we'll be standing by for the first of

51
00:03:01,190 --> 00:02:58,720
two separation burns this will be an

52
00:03:02,550 --> 00:03:01,200
automated eight-second burn

53
00:03:05,750 --> 00:03:02,560
of the

54
00:03:10,070 --> 00:03:05,760
soyuz engines the image is very clear

55
00:03:15,350 --> 00:03:13,350
on the camera that's the v module that's

56
00:03:42,949 --> 00:03:15,360
right

57
00:03:46,869 --> 00:03:44,630
less than a minute away from the first

58
00:03:49,190 --> 00:03:46,879
of two separation burns that will

59
00:03:51,990 --> 00:03:49,200
increase the opening rate of the soyuz

60
00:04:08,070 --> 00:03:52,000
from the international space station

61
00:04:12,390 --> 00:04:10,789
this view now from the soyuz as it backs

62
00:04:14,710 --> 00:04:12,400
away from the station through russian

63
00:04:42,230 --> 00:04:14,720

ground stations

64

00:04:46,390 --> 00:04:44,310

we confirmed that both thrusters get

65

00:04:48,550 --> 00:04:46,400

full command the first of two separation

66

00:04:51,270 --> 00:04:48,560

burns now underway again a quick

67

00:04:53,270 --> 00:04:51,280

eight-second burn

68

00:05:00,150 --> 00:04:53,280

that increases uh the opening rate of

69

00:05:03,590 --> 00:05:02,150

and this first separation burn is

70

00:05:06,150 --> 00:05:03,600

complete and

71

00:05:07,990 --> 00:05:06,160

was reported to be good

72

00:05:09,510 --> 00:05:08,000

the second of the two burns is about a

73

00:05:12,310 --> 00:05:09,520

minute and 20 seconds from now and

74

00:05:15,350 --> 00:05:12,320

that'll be a slightly longer burn of 15

75

00:05:20,230 --> 00:05:15,360

seconds in duration

76
00:05:31,830 --> 00:05:25,029
we confirm that the maneuver is complete

77
00:05:36,230 --> 00:05:33,909
and we are

78
00:05:39,590 --> 00:05:36,240
turning

79
00:05:41,510 --> 00:05:39,600
15 seconds into the burn and the burn is

80
00:05:43,830 --> 00:05:41,520
complete everything went well with both

81
00:05:44,790 --> 00:05:43,840
of the separation burns for the soyuz

82
00:05:48,230 --> 00:05:44,800
vehicle

83
00:05:50,310 --> 00:05:48,240
it also uh has completed its maneuver as

84
00:05:51,830 --> 00:05:50,320
it moves farther and further away from

85
00:05:53,990 --> 00:05:51,840
the international space station

86
00:05:59,029 --> 00:05:54,000
undocking occurring just a few minutes

87
00:06:04,070 --> 00:06:00,309
that uh

88
00:06:06,469 --> 00:06:04,080

the voice of an interpreter uh good luck

89

00:06:08,230 --> 00:06:06,479

to you guys reporting uh what russian

90

00:06:10,710 --> 00:06:08,240

flight controllers are saying to the

91

00:06:12,150 --> 00:06:10,720

crew on board the soyuz ms03 that you

92

00:06:14,469 --> 00:06:12,160

see there

93

00:06:16,629 --> 00:06:14,479

fading further and further away from

94

00:06:18,629 --> 00:06:16,639

view as it continues to separate from

95

00:06:21,110 --> 00:06:18,639

the international space station

96

00:06:23,510 --> 00:06:21,120

following its undocking nine minutes ago

97

00:06:25,029 --> 00:06:23,520

no i'm just saying good luck guys safe

98

00:06:27,670 --> 00:06:25,039

landing

99

00:06:29,990 --> 00:06:27,680

this is further speaking

100

00:06:32,469 --> 00:06:30,000

to you and to tamar

101

00:06:34,790 --> 00:06:32,479

thank you so much we'll see you soon see

102

00:06:36,710 --> 00:06:34,800

you on the ground

103

00:06:38,390 --> 00:06:36,720

well let's just say your departure was