



1
00:00:04,950 --> 00:00:02,310
standing by for physical separation of

2
00:00:13,509 --> 00:00:04,960
the soyuz tma-18 about to depart the

3
00:00:17,349 --> 00:00:15,270
and now a view from the black and white

4
00:00:21,269 --> 00:00:17,359
external camera on the soyuz vehicle as

5
00:00:57,110 --> 00:00:21,279
we will watch physical separation

6
00:01:10,469 --> 00:00:59,189
could you prepare the stopwatch

7
00:01:14,630 --> 00:01:13,429
we have separation

8
00:01:18,070 --> 00:01:14,640
stopwatch

9
00:01:20,149 --> 00:01:18,080
confirmed

10
00:01:27,429 --> 00:01:20,159
thank you

11
00:01:30,710 --> 00:01:27,439
okay guys good luck

12
00:01:41,030 --> 00:01:30,720
thank you for the joint work disorder

13
00:01:46,069 --> 00:01:44,069

undocking occurring on time at 9 02 pm

14

00:01:48,310 --> 00:01:46,079

central time over the russian mongolian

15

00:01:50,230 --> 00:01:48,320

border

16

00:01:52,389 --> 00:01:50,240

earlier this evening the two crews had

17

00:01:54,550 --> 00:01:52,399

an opportunity to say goodbye to one

18

00:01:57,030 --> 00:01:54,560

another for one last time

19

00:01:58,870 --> 00:01:57,040

they recorded a video of their final

20

00:02:02,149 --> 00:01:58,880

farewells to one another let's take a

21

00:02:06,709 --> 00:02:04,789

as they gathered in the poisk module the

22

00:02:08,469 --> 00:02:06,719

module that is mated to the space

23

00:02:11,029 --> 00:02:08,479

space-facing or zenith side of the

24

00:02:13,430 --> 00:02:11,039

zvezda service module tracy caldwell

25

00:02:15,670 --> 00:02:13,440

dyson saying goodbye to the news station

26

00:02:17,990 --> 00:02:15,680

commander doug wheelock and her

27

00:02:20,150 --> 00:02:18,000

colleague shannon walker uh wheelock

28

00:02:22,869 --> 00:02:20,160

saying goodbye to mikhail kornienko in

29

00:02:25,350 --> 00:02:22,879

this view before kornyenko schwarhoff

30

00:02:28,229 --> 00:02:25,360

and caldwell dyson made their way inside

31

00:02:30,309 --> 00:02:28,239

the soyuz tma-18 to close the hatches

32

00:02:32,949 --> 00:02:30,319

behind them conducting leak checks to

33

00:02:35,350 --> 00:02:32,959

make sure that we had an airtight seal

34

00:02:36,710 --> 00:02:35,360

between the soyuz and the international

35

00:02:38,630 --> 00:02:36,720

space station

36

00:02:40,470 --> 00:02:38,640

and that then

37

00:02:44,229 --> 00:02:40,480

placed everything in readiness for the

38

00:02:47,030 --> 00:02:44,239

undocking that is coming up about

39

00:02:48,949 --> 00:02:47,040

14 minutes from now you see alexander

40

00:02:51,509 --> 00:02:48,959

schwartzoff floating into the field of

41

00:02:53,430 --> 00:02:51,519

view as the soyuz commander he will be

42

00:02:57,430 --> 00:02:53,440

uh again in the center seat of the

43

00:02:59,830 --> 00:02:57,440

soyuz's descent module and he will be uh

44

00:03:02,149 --> 00:02:59,840

at the controls uh for the soyuz's

45

00:03:14,390 --> 00:03:02,159

de-orbit and its landing on the step of

46

00:03:20,229 --> 00:03:18,149

again this video was recorded

47

00:03:23,270 --> 00:03:20,239

three and a half hours ago as the

48

00:03:26,390 --> 00:03:23,280

departing crew expedition 24 made its

49

00:03:28,550 --> 00:03:26,400

way inside the soyuz tma-18 and closed

50

00:03:30,550 --> 00:03:28,560

the hatches behind them

51
00:03:32,630 --> 00:03:30,560
leaving on board the station

52
00:03:34,949 --> 00:03:32,640
doug wheelock shannon walker and russian

53
00:03:38,229 --> 00:03:34,959
cosmonaut fyodor yurchikhin

54
00:03:40,149 --> 00:03:38,239
who at the moment of undocking will make

55
00:03:41,910 --> 00:03:40,159
the transition to become the expedition

56
00:03:46,309 --> 00:03:41,920
25 crew

57
00:03:51,350 --> 00:03:48,710
16 days from now when scott kelly

58
00:03:52,869 --> 00:03:51,360
alexander kaleri and oleg skripochka

59
00:03:54,470 --> 00:03:52,879
arrive at the international space

60
00:03:56,630 --> 00:03:54,480
station their launch scheduled in the

61
00:03:58,550 --> 00:03:56,640
pre-dawn hours of october 8 from the

62
00:04:01,350 --> 00:03:58,560
baikonur cosmodrome in kazakhstan

63
00:04:03,350 --> 00:04:01,360

docking on october 10th to re-up the

64

00:04:05,509 --> 00:04:03,360

international space station crew to a

65

00:04:06,789 --> 00:04:05,519

six-person crew once again

66

00:04:09,350 --> 00:04:06,799

that we know we understand that

67

00:04:09,360 --> 00:04:12,550

okay

68

00:04:17,749 --> 00:04:15,190

select depo and two

69

00:04:18,789 --> 00:04:17,759

illuminated fyodor yurchikhin closing

70

00:04:21,270 --> 00:04:18,799

the hatch

71

00:04:23,030 --> 00:04:21,280

between the poisk module and the soyuz

72

00:04:27,430 --> 00:04:23,040

tma-18

73

00:04:34,469 --> 00:04:31,110

and now we're receiving replays

74

00:04:36,870 --> 00:04:34,479

of the landing of the soyuz tma-18 is

75

00:04:54,629 --> 00:04:36,880

taken from one of the helicopters as

76

00:04:59,510 --> 00:04:57,590

as the soyuz descends uh to the

77

00:05:01,670 --> 00:04:59,520

ground you should see the firing of the

78

00:05:02,950 --> 00:05:01,680

soft landing engines very visible here

79

00:05:04,870 --> 00:05:02,960

from

80

00:05:08,710 --> 00:05:04,880

one of the forward surgeon recovery

81

00:05:11,590 --> 00:05:08,720

helicopters that hovered nearby

82

00:05:18,310 --> 00:05:11,600

the final descent path for the soyuz to

83

00:05:26,390 --> 00:05:20,629

and there was the firing of the

84

00:05:33,670 --> 00:05:30,950

soyuz commander alexander schwarzoff

85

00:05:35,350 --> 00:05:33,680

back on earth removed from the soyuz

86

00:05:37,270 --> 00:05:35,360

spacecraft

87

00:05:39,830 --> 00:05:37,280

he was seated in the center seat of the

88

00:06:17,510 --> 00:05:39,840

descent module

89

00:06:23,830 --> 00:06:21,029

being helped down that short platform

90

00:06:26,070 --> 00:06:23,840

he will be placed in a reclining chair

91

00:06:30,950 --> 00:06:26,080

as uh will his uh crewmates mikhail

92

00:06:35,189 --> 00:06:33,110

this an opportunity to

93

00:06:57,990 --> 00:06:35,199

be acclimated to a gravity environment

94

00:07:03,510 --> 00:07:00,469

receiving a pat on the shoulder from

95

00:07:05,830 --> 00:07:03,520

veteran cosmonaut gennady padalka and

96

00:07:07,990 --> 00:07:05,840

the traditional apple a picture's worth

97

00:07:11,749 --> 00:07:08,000

a thousand words quartzoff appears to be

98

00:07:36,550 --> 00:07:15,189

flight engineer tracy caldwell dyson

99

00:07:41,110 --> 00:07:39,270

caldwell dyson exhibiting a big smile as

100

00:07:44,309 --> 00:07:41,120

she's carried to her reclining chair at

101
00:07:46,390 --> 00:07:44,319
the landing site

102
00:07:47,670 --> 00:07:46,400
yes i'm very appreciative of the weather

103
00:07:48,950 --> 00:07:47,680
cooperating a bit better than it did

104
00:07:51,270 --> 00:07:48,960
last time i was out here for jeff

105
00:07:52,629 --> 00:07:51,280
williams landing a lack of snow is not

106
00:07:55,270 --> 00:07:52,639
something you'll hear me complain about

107
00:07:57,990 --> 00:07:55,280
but uh it's you know the this morning it

108
00:07:59,990 --> 00:07:58,000
was probably in the upper 40s lower 50s

109
00:08:02,550 --> 00:08:00,000
the temperature probably i would guess

110
00:08:04,869 --> 00:08:02,560
probably mid 50s right now the breeze

111
00:08:07,510 --> 00:08:04,879
has kicked up a little bit uh there's a

112
00:08:09,110 --> 00:08:07,520
good kind of wind coming at us

113
00:08:10,469 --> 00:08:09,120

but no problem the clouds are beginning

114

00:08:12,869 --> 00:08:10,479

to build a little bit which i don't know

115

00:08:14,629 --> 00:08:12,879

if you can see that on tv or not but it

116

00:08:17,350 --> 00:08:14,639

was clear this morning and mikhail

117

00:08:18,869 --> 00:08:17,360

kornienko uh completing his first flight

118

00:08:21,270 --> 00:08:18,879

into space

119

00:08:22,469 --> 00:08:21,280

clasping his hands and a congratulatory

120

00:08:24,629 --> 00:08:22,479

salute

121

00:08:27,110 --> 00:08:24,639

as he is being helped down the short

122

00:08:29,350 --> 00:08:27,120

work platform ramp uh to be carried over

123

00:08:31,670 --> 00:08:29,360

to his reclining chair

124

00:08:35,029 --> 00:08:31,680

josh uh it looks like uh this has been a

125

00:08:36,550 --> 00:08:35,039

very efficient operation today

126

00:08:38,870 --> 00:08:36,560

it always is you know you've been out

127

00:08:41,430 --> 00:08:38,880

here several times too and it's uh each

128

00:08:43,509 --> 00:08:41,440

and every time it's very impressive

129

00:08:46,389 --> 00:08:43,519

how the russian team members do this so

130

00:08:49,509 --> 00:08:46,399

once everybody gets back to the airport

131

00:08:51,910 --> 00:08:49,519

in karaganda there will be a traditional

132

00:08:53,509 --> 00:08:51,920

ceremony there over there welcomed back

133

00:08:55,430 --> 00:08:53,519

and uh some comments are made by the

134

00:08:56,790 --> 00:08:55,440

crew and uh the media

135

00:08:58,790 --> 00:08:56,800

gets a chance to talk with the crew

136

00:08:59,910 --> 00:08:58,800

members about their landing i'm sure

137

00:09:01,430 --> 00:08:59,920

there will be quite a number of

138

00:09:03,990 --> 00:09:01,440

questions about

139

00:09:06,070 --> 00:09:04,000

yesterday's delayed uh undocking to get

140

00:09:07,269 --> 00:09:06,080

the crew members perspective on that

141

00:09:09,030 --> 00:09:07,279

and then

142

00:09:11,590 --> 00:09:09,040

the two cosmonauts will fly back to

143

00:09:13,190 --> 00:09:11,600

moscow later on tonight and uh

144

00:09:15,590 --> 00:09:13,200

dyson will begin the process of heading

145

00:09:18,870 --> 00:09:15,600

back to uh houston with uh some of the

146

00:09:20,949 --> 00:09:18,880

nasa teams once inside the medical tent

147

00:09:23,190 --> 00:09:20,959

the crew will be helped out of their

148

00:09:25,430 --> 00:09:23,200

social launch and entry suits for

149

00:09:27,110 --> 00:09:25,440

preliminary medical tests

150

00:09:29,750 --> 00:09:27,120

you can see on the far left of your

151

00:09:31,430 --> 00:09:29,760

screen just behind tracy caldwell dyson

152

00:09:33,829 --> 00:09:31,440

that's the chief of the astronaut office

153

00:09:37,350 --> 00:09:33,839

peggy whitson a veteran space station

154

00:09:41,190 --> 00:09:39,750

alongside of her kirk shireman the

155

00:09:51,910 --> 00:09:41,200

deputy program manager for the

156

00:09:56,710 --> 00:09:54,150

and the three crew members are now being

157

00:09:57,990 --> 00:09:56,720

carried toward that inflatable medical