



1
00:00:03,990 --> 00:00:02,550
you're joining us now inside of the

2
00:00:05,910 --> 00:00:04,000
international space station flight

3
00:00:08,629 --> 00:00:05,920
control room located at the johnson

4
00:00:10,790 --> 00:00:08,639
space center in houston texas

5
00:00:13,110 --> 00:00:10,800
the crew are getting ready to do uh

6
00:00:15,589 --> 00:00:13,120
their final farewells rick mastracchio

7
00:00:17,590 --> 00:00:15,599
quiche wakata and mikhail turin getting

8
00:00:19,990 --> 00:00:17,600
ready to load into that soyuz wrapping

9
00:00:22,870 --> 00:00:20,000
up 188 days in space

10
00:00:25,349 --> 00:00:22,880
uh among the three a lot of veteran

11
00:00:27,750 --> 00:00:25,359
experience uh each already having

12
00:00:30,230 --> 00:00:27,760
multiple space flights on their resume

13
00:00:33,110 --> 00:00:30,240

rick mastracchio will now have a total

14

00:00:35,270 --> 00:00:33,120

time and space accumulated of 228 days

15

00:00:36,549 --> 00:00:35,280

spread across four space flights

16

00:00:38,950 --> 00:00:36,559

being a

17

00:00:40,950 --> 00:00:38,960

veteran shuttle uh flyer on three

18

00:00:43,110 --> 00:00:40,960

previous shuttle missions uh and then

19

00:00:45,750 --> 00:00:43,120

koichi wakata will

20

00:00:48,310 --> 00:00:45,760

now have a grand total of 348 days in

21

00:00:50,150 --> 00:00:48,320

space spread across four flights became

22

00:00:53,189 --> 00:00:50,160

the first commander of the international

23

00:00:55,110 --> 00:00:53,199

space station uh during expedition 39

24

00:00:57,029 --> 00:00:55,120

mikhail turin uh the most veteran

25

00:01:00,310 --> 00:00:57,039

amongst the crew will now have a grand

26
00:01:02,630 --> 00:01:00,320
total of 532 days spent in space across

27
00:01:05,270 --> 00:01:02,640
three space flights now finding himself

28
00:01:06,870 --> 00:01:05,280
at 13th on the all-time endurance list

29
00:01:08,469 --> 00:01:06,880
the three have been on board the

30
00:01:10,390 --> 00:01:08,479
international space station since

31
00:01:12,630 --> 00:01:10,400
launching and docking back in november

32
00:01:14,870 --> 00:01:12,640
of 2013

33
00:01:18,149 --> 00:01:14,880
they're leaving today will

34
00:01:20,230 --> 00:01:18,159
wrap up 188 days spent in space and on

35
00:01:22,550 --> 00:01:20,240
board the international space station

36
00:01:25,109 --> 00:01:22,560
the three giving a total distance

37
00:01:26,469 --> 00:01:25,119
traveled of over 79 million statute

38
00:01:29,429 --> 00:01:26,479

miles

39

00:01:32,550 --> 00:01:29,439

done over over 3 000 orbits of the earth

40

00:01:34,469 --> 00:01:32,560

while on board the orbiting laboratory

41

00:01:36,710 --> 00:01:34,479

the three will climb into their soyuz

42

00:01:39,270 --> 00:01:36,720

descent module which is one of three

43

00:01:42,149 --> 00:01:39,280

pieces that the soyuz craft is comprised

44

00:01:44,389 --> 00:01:42,159

of it's a fairly tight fit as you can

45

00:01:46,069 --> 00:01:44,399

see very stringent

46

00:01:47,749 --> 00:01:46,079

height requirements for these astronauts

47

00:01:50,469 --> 00:01:47,759

that they'll be packed in over the next

48

00:01:52,710 --> 00:01:50,479

few hours for their ride home and this

49

00:01:54,550 --> 00:01:52,720

just one of three pieces of that soyuz

50

00:01:56,310 --> 00:01:54,560

craft and will be the only part that

51
00:01:57,830 --> 00:01:56,320
actually survives the reentry through

52
00:01:59,590 --> 00:01:57,840
the earth's atmosphere

53
00:02:01,990 --> 00:01:59,600
containing the crafts heat shield which

54
00:02:05,190 --> 00:02:02,000
protects them from the intense heat

55
00:02:09,430 --> 00:02:07,030
and there we go getting a view is rick

56
00:02:11,589 --> 00:02:09,440
mastracchio moves in

57
00:02:13,110 --> 00:02:11,599
to the soyuz craft where he'll be

58
00:02:15,190 --> 00:02:13,120
getting the ride down tonight giving a

59
00:02:17,110 --> 00:02:15,200
final farewell again

60
00:02:18,869 --> 00:02:17,120
rick mastracchio the nasa astronaut part

61
00:02:20,790 --> 00:02:18,879
of the departing crew

62
00:02:22,630 --> 00:02:20,800
here you see koichi wakata the first

63
00:02:23,910 --> 00:02:22,640

japanese commander of the international

64

00:02:27,030 --> 00:02:23,920

space station

65

00:02:31,030 --> 00:02:27,040

can uh those two in uh russian cosmonaut

66

00:02:38,550 --> 00:02:31,040

kyle turn uh spent 188 days in space

67

00:02:42,070 --> 00:02:40,390

three getting ready to load into that

68

00:02:43,990 --> 00:02:42,080

soyuz craft and then close the hatch

69

00:02:45,670 --> 00:02:44,000

between it and the international space

70

00:02:47,350 --> 00:02:45,680

station

71

00:02:48,869 --> 00:02:47,360

following that they'll be

72

00:02:50,630 --> 00:02:48,879

getting into their social launch and

73

00:02:53,110 --> 00:02:50,640

entry suits and then strapping in for

74

00:02:56,150 --> 00:02:53,120

the ride down with their planned landing

75

00:02:57,830 --> 00:02:56,160

tonight at 8 58 pm central

76
00:02:59,990 --> 00:02:57,840
here now mikhail turin who will be the

77
00:03:01,910 --> 00:03:00,000
commander of the soyuz craft during its

78
00:03:03,830 --> 00:03:01,920
operations this evening

79
00:03:06,550 --> 00:03:03,840
getting ready to load in as well turn

80
00:03:09,750 --> 00:03:06,560
again 13th now on the all-time endurance

81
00:03:11,830 --> 00:03:09,760
list with over five with 532 days spent

82
00:03:58,789 --> 00:03:11,840
in space spread across three different

83
00:04:04,309 --> 00:04:00,630
so tyra now moving the hatch into

84
00:04:08,390 --> 00:04:06,229
he'll be responsible for closing the

85
00:04:09,190 --> 00:04:08,400
hatch on the side of the soyuz craft and

86
00:04:10,869 --> 00:04:09,200
then

87
00:04:13,270 --> 00:04:10,879
uh one of the two cosmonauts either

88
00:04:16,310 --> 00:04:13,280

Alexander Schwarz off or Oleg Artemyev

89

00:04:18,710 --> 00:04:16,320

will do all of the closing and latching

90

00:04:20,229 --> 00:04:18,720

on the station side

91

00:04:22,629 --> 00:04:20,239

following this hatch closing they'll be

92

00:04:24,390 --> 00:04:22,639

doing a number of leak checks to verify

93

00:04:25,670 --> 00:04:24,400

the vehicles in a good config but there

94

00:04:28,710 --> 00:04:25,680

we have

95

00:04:41,510 --> 00:04:28,720

the hatch getting closed closed on the

96

00:04:44,710 --> 00:04:43,350

and just there Alexander Skortzoff

97

00:04:47,670 --> 00:04:44,720

working to

98

00:04:49,749 --> 00:04:47,680

close the hatch on the station side the

99

00:04:54,629 --> 00:04:49,759

unofficial hatch closure time right now

100

00:04:59,430 --> 00:04:56,790

three uh returning astronauts Rick

101
00:05:03,110 --> 00:04:59,440
mastracchio koichi wakati mikhail turan

102
00:05:05,110 --> 00:05:03,120
now inside of their soyuz uh tma11m

103
00:05:07,029 --> 00:05:05,120
vehicle on getting ready

104
00:05:08,790 --> 00:05:07,039
uh to depart the international space

105
00:05:12,230 --> 00:05:08,800
station just a few hours from now and

106
00:05:14,230 --> 00:05:12,240
return home the next major milestones

107
00:05:16,469 --> 00:05:14,240
for tonight will be the physical

108
00:05:18,310 --> 00:05:16,479
undocking of the soyuz craft from the

109
00:05:20,790 --> 00:05:18,320
international space station we'll come

110
00:05:23,350 --> 00:05:20,800
on with undocking coverage at 5 15 p.m

111
00:05:25,110 --> 00:05:23,360
central 6 15 p.m eastern

112
00:05:27,990 --> 00:05:25,120
and our final broadcast for the night

113
00:05:29,029 --> 00:05:28,000

will be for the deorbit burn and landing

114

00:05:32,550 --> 00:05:29,039

coverage

115

00:05:34,390 --> 00:05:32,560

we'll come on the air at 7 45 pm central

116

00:05:37,909 --> 00:05:34,400

time with the deorbit burn scheduled at

117

00:05:40,710 --> 00:05:37,919

804 pm and the final landing in jizkaz

118

00:05:44,070 --> 00:05:40,720

in kazakhstan scheduled to come at 8 58

119

00:05:46,790 --> 00:05:44,080

pm central time bringing a wrap to 188