



1
00:00:20,230 --> 00:00:16,230
good day and welcome to space station

2
00:00:21,429 --> 00:00:20,240
live for monday november 25th 2013.

3
00:00:22,790 --> 00:00:21,439
you're looking live inside the

4
00:00:24,470 --> 00:00:22,800
international space station flight

5
00:00:26,630 --> 00:00:24,480
control room here at the johnson space

6
00:00:28,790 --> 00:00:26,640
center in houston where at this hour the

7
00:00:31,429 --> 00:00:28,800
orbit 2 team of flight controllers is on

8
00:00:33,670 --> 00:00:31,439
duty having assumed their positions for

9
00:00:35,910 --> 00:00:33,680
the second half of the crew work day

10
00:00:38,310 --> 00:00:35,920
several hours ago and which will be on

11
00:00:41,270 --> 00:00:38,320
console through the mid-afternoon time

12
00:00:43,030 --> 00:00:41,280
frame at this hour on console leading

13
00:00:45,029 --> 00:00:43,040

the team here in houston is flight

14

00:00:47,110 --> 00:00:45,039

director mike lammers the second from

15

00:00:49,110 --> 00:00:47,120

your right in the blue shirt to his

16

00:00:52,069 --> 00:00:49,120

right on the top of the screen is

17

00:00:53,990 --> 00:00:52,079

spacecraft communicator josh matthew who

18

00:00:55,910 --> 00:00:54,000

is talking directly to the crew on board

19

00:00:58,069 --> 00:00:55,920

the international space station when

20

00:01:00,470 --> 00:00:58,079

required throughout the course of the

21

00:01:02,709 --> 00:01:00,480

day the international space station its

22

00:01:05,830 --> 00:01:02,719

systems in excellent shape currently

23

00:01:08,310 --> 00:01:05,840

traveling 262 statute miles above the

24

00:01:10,870 --> 00:01:08,320

earth flying over southeast asia in an

25

00:01:13,510 --> 00:01:10,880

orbit inclined 51.6 degrees to either

26

00:01:15,429 --> 00:01:13,520

side of the equator in orbit that is

27

00:01:17,590 --> 00:01:15,439

currently moving from southwest to

28

00:01:19,190 --> 00:01:17,600

northeast that will carry the station

29

00:01:22,070 --> 00:01:19,200

and its six crew members across the

30

00:01:24,230 --> 00:01:22,080

north pacific a short time from now

31

00:01:27,670 --> 00:01:24,240

on board the international outpost the

32

00:01:30,710 --> 00:01:27,680

six-man crew comprised on your left by

33

00:01:33,190 --> 00:01:30,720

mikhail turin koichi wakata of the japan

34

00:01:35,590 --> 00:01:33,200

aerospace exploration agency and rick

35

00:01:37,990 --> 00:01:35,600

mastracchio currently in their 19th day

36

00:01:39,830 --> 00:01:38,000

in space since their launch in early

37

00:01:42,389 --> 00:01:39,840

november several weeks ago from the

38

00:01:44,710 --> 00:01:42,399

baikonur cosmodrome in kazakhstan and on

39

00:01:47,270 --> 00:01:44,720

the right side sergey ryazanskiy the

40

00:01:49,749 --> 00:01:47,280

current expedition 38 commander oleg

41

00:01:52,870 --> 00:01:49,759

kotov and nasa flight engineer michael

42

00:01:55,590 --> 00:01:52,880

hopkins who are now in their 61st day in

43

00:01:57,109 --> 00:01:55,600

space nearing the end of nine weeks in

44

00:01:59,749 --> 00:01:57,119

orbit since they were launched from

45

00:02:02,550 --> 00:01:59,759

baikonur in their soyuz spacecraft

46

00:02:03,350 --> 00:02:02,560

on september 26th

47

00:02:06,789 --> 00:02:03,360

the

48

00:02:08,790 --> 00:02:06,799

atmosphere abounds here in mission

49

00:02:10,630 --> 00:02:08,800

control as this team of flight

50

00:02:12,869 --> 00:02:10,640

controllers working in concert where the

51
00:02:14,390 --> 00:02:12,879
flight control teams around the world

52
00:02:16,229 --> 00:02:14,400
are counting down the hours to the

53
00:02:18,390 --> 00:02:16,239
launch of a new resupply ship to the

54
00:02:21,190 --> 00:02:18,400
international space station some four

55
00:02:23,830 --> 00:02:21,200
hours and 50 minutes from now the launch

56
00:02:26,869 --> 00:02:23,840
of the progress 53 cargo ship the

57
00:02:30,949 --> 00:02:26,879
russian unpiloted resupply craft is

58
00:02:34,390 --> 00:02:30,959
scheduled for 253 and 6 seconds p.m

59
00:02:36,550 --> 00:02:34,400
central time this afternoon 2 53 a.m

60
00:02:38,550 --> 00:02:36,560
baikonur time at the baikonur cosmodrome

61
00:02:39,830 --> 00:02:38,560
at the launch site in south central

62
00:02:42,869 --> 00:02:39,840
kazakhstan

63
00:02:45,110 --> 00:02:42,879

in the wee hours of tuesday morning our

64

00:02:48,550 --> 00:02:45,120

nasa tv coverage of launch will begin at

65

00:02:51,430 --> 00:02:48,560

2 30 pm central time that will send the

66

00:02:53,430 --> 00:02:51,440

progress on a nine-minute trip to its

67

00:02:55,830 --> 00:02:53,440

preliminary orbit where it will separate

68

00:02:58,070 --> 00:02:55,840

from its third stage deploy its solar

69

00:03:00,470 --> 00:02:58,080

arrays and navigational antennas and

70

00:03:03,030 --> 00:03:00,480

begin an extended four-day trip to the

71

00:03:04,390 --> 00:03:03,040

international space station uh through

72

00:03:06,550 --> 00:03:04,400

the testing of

73

00:03:08,710 --> 00:03:06,560

a new upgraded cores automated

74

00:03:10,309 --> 00:03:08,720

rendezvous system we'll be talking to

75

00:03:13,030 --> 00:03:10,319

flight director jerry jason here in a

76

00:03:14,949 --> 00:03:13,040

few minutes to get all the details on uh

77

00:03:17,670 --> 00:03:14,959

the testing of that system that will

78

00:03:19,990 --> 00:03:17,680

result in a docking uh to the aft

79

00:03:22,869 --> 00:03:20,000

port of the zvezda service module on

80

00:03:25,270 --> 00:03:22,879

friday afternoon

81

00:03:27,910 --> 00:03:25,280

the progress which is poised on its

82

00:03:31,830 --> 00:03:27,920

launch pad in baikonur rolled out to the

83

00:03:35,110 --> 00:03:31,840

site 31 launch pad on saturday it is now

84

00:03:37,030 --> 00:03:35,120

just after 10 p.m in baikonur uh some 12

85

00:03:39,270 --> 00:03:37,040

hours ahead of houston uh where the

86

00:03:41,509 --> 00:03:39,280

temperature is just below freezing about

87

00:03:43,190 --> 00:03:41,519

27 degrees fahrenheit with some

88

00:03:45,270 --> 00:03:43,200

scattered clouds in the sky but the

89

00:03:48,229 --> 00:03:45,280

countdown proceeding on track for a

90

00:03:51,110 --> 00:03:48,239

launch a little less than five hours

91

00:03:53,589 --> 00:03:51,120

from now the progress is equipped and

92

00:03:55,990 --> 00:03:53,599

loaded with almost three tons of food

93

00:03:59,270 --> 00:03:56,000

fuel supplies and holiday gifts for the

94

00:04:01,589 --> 00:03:59,280

expedition 38 crew and again you're

95

00:04:03,670 --> 00:04:01,599

looking at a picture here of its

96

00:04:05,110 --> 00:04:03,680

encapsulation into the

97

00:04:07,429 --> 00:04:05,120

third and uh

98

00:04:09,589 --> 00:04:07,439

stage in the upper stage of the soyuz

99

00:04:11,110 --> 00:04:09,599

booster that will propel it to orbit

100

00:04:13,190 --> 00:04:11,120

later today

101
00:04:15,589 --> 00:04:13,200
the progress

102
00:04:17,189 --> 00:04:15,599
will be on its way uh for a four-day

103
00:04:20,629 --> 00:04:17,199
rendezvous that will culminate in a

104
00:04:23,510 --> 00:04:20,639
docking as we said on friday afternoon

105
00:04:28,070 --> 00:04:23,520
the almost three tons of uh supplies on

106
00:04:31,189 --> 00:04:28,080
board that progress consists of 1763

107
00:04:34,629 --> 00:04:31,199
of propellant 48 pounds of oxygen 57

108
00:04:37,909 --> 00:04:34,639
pounds of air some 925 pounds of water

109
00:04:40,150 --> 00:04:37,919
and just over 3 100 pounds of dry cargo

110
00:04:43,110 --> 00:04:40,160
that includes experiment hardware spare

111
00:04:45,590 --> 00:04:43,120
parts and holiday gifts for the six crew