1
00:00:05,490 --> 00:00:03,600
good morning from NASA's Johnson Space

2
00:00:09,869 --> 00:00:05,500
Center this is Mission Control Houston

3
00:00:11,279 --> 00:00:09,879
it's Tuesday August 22nd 2012 you're

4
00:00:13,289 --> 00:00:11,289
looking at the International Space

5
00:00:14,959 --> 00:00:13,299
Station flight control room from the

6
00:00:17,250 --> 00:00:14,969
front of the room looking across the

7
00:00:20,310 --> 00:00:17,260
consoles of the flight control team

8
00:00:22,320 --> 00:00:20,320
members who are supporting the orbit

9
00:00:23,970 --> 00:00:22,330
shift team today that is working

10
00:00:26,070 --> 00:00:23,980
throughout the day supporting activities

11
00:00:29,220 --> 00:00:26,080
aboard the International Space Station

12
00:00:31,499 --> 00:00:29,230
in the room today overseeing the team is

13
00:00:34,110 --> 00:00:31,509

once again flight director Brian Smith

14
00:00:36,900 --> 00:00:34,120
you see him there in the white shirt he

15
00:00:39,000 --> 00:00:36,910
has joined on console by a veteran

16
00:00:41,099 --> 00:00:39,010
astronaut Anna Fisher she's serving as

17
00:00:43,830 --> 00:00:41,109
the spacecraft communicator or the

18
00:00:46,380 --> 00:00:43,840
Capcom she is the voice link between the

19
00:00:48,540 --> 00:00:46,390
flight control team and the crew aboard

20
00:00:50,819 --> 00:00:48,550
the International Space Station the

21
00:00:54,090 --> 00:00:50,829
space station currently tracking about

22
00:00:57,270 --> 00:00:54,100
250 4 miles above the earth tracking

23
00:00:59,040 --> 00:00:57,280
northeasterly across Bolivia will pass

24
00:01:02,040 --> 00:00:59,050
high above Brazil and then out across

25
00:01:04,079 --> 00:01:02,050
the Atlantic Ocean the next coastal

26
00:01:06,960 --> 00:01:04,089
crossing the northwest coastline of

27
00:01:09,930 --> 00:01:06,970
Portugal will track across Spain France

28
00:01:11,910 --> 00:01:09,940
and much of European nations before

29
00:01:15,360 --> 00:01:11,920
heading out across Russia Kazakhstan

30
00:01:17,160 --> 00:01:15,370
into an orbital sunset from this vantage

31
00:01:20,280 --> 00:01:17,170
point the station is circling the Earth

32
00:01:23,040 --> 00:01:20,290
about every 92 minutes offering an

33
00:01:24,840 --> 00:01:23,050
orbital sunrise and sunset to the crew

34
00:01:28,500 --> 00:01:24,850
members aboard the International Space

35
00:01:32,220 --> 00:01:28,510
Station that make up the expedition 32

36
00:01:35,310 --> 00:01:32,230
crew that crew arrived at the station at

37
00:01:37,410 --> 00:01:35,320
two different times the three of the

38
00:01:40,230 --> 00:01:37,420

crew members including commander gennady

39
00:01:42,780 --> 00:01:40,240
padalka flight engineer sergei revin and

40
00:01:45,330 --> 00:01:42,790
flight engineer joe acaba arrived at the

41
00:01:50,220 --> 00:01:45,340
station back in mid-may aboard their

42
00:01:53,760 --> 00:01:50,230
soyuz tma 4m spacecraft they are slated

43
00:01:56,940 --> 00:01:53,770
to return home in mid-september their

44
00:01:59,670 --> 00:01:56,950
return home date right now is Sunday

45
00:02:02,940 --> 00:01:59,680
September 16th those three crew members

46
00:02:06,840 --> 00:02:02,950
have been aboard the station now 98 days

47
00:02:09,150 --> 00:02:06,850
today marks their 100th day in space the

48
00:02:11,640 --> 00:02:09,160
other three crew members that joined

49
00:02:14,550 --> 00:02:11,650
those three back in mid-july about a

50
00:02:15,070 --> 00:02:14,560
month ago our flight engineers yuri

51
00:02:17,940 --> 00:02:15,080
malenchenko

52
00:02:21,430 --> 00:02:17,950
chanko and flight engineer suni Williams

53
00:02:24,220 --> 00:02:21,440
also flight engineer akihiko hoshide a

54
00:02:27,010 --> 00:02:24,230
aki hoshide a representing the japan

55
00:02:28,660 --> 00:02:27,020
aerospace exploration agency Sonny

56
00:02:31,870 --> 00:02:28,670
Williams of course a u.s. astronaut

57
00:02:35,170 --> 00:02:31,880
milenge and co a Russian cosmonaut so

58
00:02:38,350 --> 00:02:35,180
the six crew members day began they've

59
00:02:40,930 --> 00:02:38,360
restored their wake and sleep schedules

60
00:02:42,880 --> 00:02:40,940
to their pretty much normal times which

61
00:02:44,740 --> 00:02:42,890
is they wake up about one o'clock in the

62
00:02:47,740 --> 00:02:44,750
morning and go to bed about 4 30 each

63
00:02:49,980 --> 00:02:47,750

afternoon us central time they have

64
00:02:52,240 --> 00:02:49,990
focused their attention today on

65
00:02:54,940 --> 00:02:52,250
activities in the Russian segment for

66
00:02:57,670 --> 00:02:54,950
the Russian colleagues including a very

67
00:03:03,699 --> 00:02:57,680
detailed debrief of the space Walker

68
00:03:06,850 --> 00:03:03,709
that was conducted on Monday by padalka

69
00:03:10,420 --> 00:03:06,860
and malenchenko that five hour 51 minute

70
00:03:13,780 --> 00:03:10,430
a spacewalk provided them a great deal

71
00:03:15,430 --> 00:03:13,790
of of background to provide to the teams

72
00:03:17,320 --> 00:03:15,440
on the ground they've been talking to

73
00:03:20,020 --> 00:03:17,330
their flight control team about that in

74
00:03:21,840 --> 00:03:20,030
the meantime sunny williams and aki

75
00:03:27,070 --> 00:03:21,850
hoshide a who will be performing a

76
00:03:29,860 --> 00:03:27,080
us-based spacewalk honest 30th are back

77
00:03:33,009 --> 00:03:29,870
in the US air lock quest they are

78
00:03:35,350 --> 00:03:33,019
preparing tools and the spacesuits that

79
00:03:39,310 --> 00:03:35,360
they will wear for their spacewalk again

80
00:03:41,560 --> 00:03:39,320
planned for August 30th to replace a

81
00:03:43,870 --> 00:03:41,570
faulty power relay unit on the station's

82
00:03:47,350 --> 00:03:43,880
truss structure they'll also route some

83
00:03:49,330 --> 00:03:47,360
power cables for the Russian scientific

84
00:03:51,300 --> 00:03:49,340
laboratory that will replace the piers

85
00:03:54,340 --> 00:03:51,310
docking compartment and they'll also

86
00:03:57,360 --> 00:03:54,350
replace remove and replace a failing

87
00:04:00,370 --> 00:03:57,370
camera that's out on the Canadian

88
00:04:02,740 --> 00:04:00,380

provided canadarm2 robotic arm that

89
00:04:07,030 --> 00:04:02,750
makes up the station's robotic work

90
00:04:09,340 --> 00:04:07,040
station on the outside of the complex in

91
00:04:12,250 --> 00:04:09,350
addition their scientific activity going

92
00:04:15,280 --> 00:04:12,260
on inside the station Joe acabas been

93
00:04:19,780 --> 00:04:15,290
working pretty extensively with another

94
00:04:21,490 --> 00:04:19,790
experiment in the u.s. laboratory the B

95
00:04:25,630 --> 00:04:21,500
cat experiment which is the binary

96
00:04:27,160 --> 00:04:25,640
colloidal colloidal alloy test the test

97
00:04:29,590 --> 00:04:27,170
today is

98
00:04:31,270 --> 00:04:29,600
the colloidal science on the

99
00:04:34,450 --> 00:04:31,280
International Space Station supporting

100
00:04:38,590 --> 00:04:34,460
the Canadian science mission board ISS

101
00:04:41,200 --> 00:04:38,600
known as be cat C 1 so he's been working

102
00:04:44,110 --> 00:04:41,210
very detailed activities associated with

103
00:04:46,120 --> 00:04:44,120
that in support of that experiment so a

104
00:04:50,320 --> 00:04:46,130
busy day for the crew aboard the station