1
00:00:06,410 --> 00:00:04,579
a good morning from NASA's Johnson Space

2
00:00:08,089 --> 00:00:06,420
Center this is Mission Control Houston

3
00:00:10,040 --> 00:00:08,099
you're looking from the back of the room

4
00:00:12,650 --> 00:00:10,050
looking forward at the International

5
00:00:14,299 --> 00:00:12,660
Space Station flight control room team

6
00:00:18,320 --> 00:00:14,309
of flight controllers watching over all

7
00:00:21,560 --> 00:00:18,330
of the systems on this Monday March

8
00:00:23,599 --> 00:00:21,570
twelfth from these flight control

9
00:00:26,120 --> 00:00:23,609
positions monitoring systems aboard the

10
00:00:29,810 --> 00:00:26,130
station since about seven o'clock this

11
00:00:32,920 --> 00:00:29,820
morning us central daylight time the

12
00:00:35,120 --> 00:00:32,930
team operates on about nine-hour shifts

13
00:00:37,549 --> 00:00:35,130

monitoring all the systems aboard the

14
00:00:40,760 --> 00:00:37,559
station and the timeline of the

15
00:00:43,940 --> 00:00:40,770
expedition crew aboard today the team is

16
00:00:46,610 --> 00:00:43,950
led by veteran flight director Royce

17
00:00:49,459 --> 00:00:46,620
Renfrew he's serving as flight director

18
00:00:51,799 --> 00:00:49,469
on this shift he's joined by Josh

19
00:00:54,709 --> 00:00:51,809
Matthew who's serving as the spacecraft

20
00:00:57,470 --> 00:00:54,719
communicator the link the voice link

21
00:01:06,109 --> 00:00:57,480
between this team and the crew aboard

22
00:01:08,000 --> 00:01:06,119
the International Space Station that

23
00:01:10,070 --> 00:01:08,010
crew aboard the station which is

24
00:01:14,030 --> 00:01:10,080
currently circling the Earth about every

25
00:01:16,580 --> 00:01:14,040
92 minutes at an altitude of 250 statute

26
00:01:20,240 --> 00:01:16,590
miles heading out across the Pacific

27
00:01:22,640 --> 00:01:20,250
Ocean the station about to move into an

28
00:01:26,120 --> 00:01:22,650
orbital sunrise as it heads toward the

29
00:01:28,490 --> 00:01:26,130
southern tip of California will make a

30
00:01:32,630 --> 00:01:28,500
pass across the Midwest of the United

31
00:01:36,260 --> 00:01:32,640
States and then out across Canada the

32
00:01:39,219 --> 00:01:36,270
crew on board expedition 30 is commanded

33
00:01:42,020 --> 00:01:39,229
by astronaut dan burbank he's joined by

34
00:01:45,910 --> 00:01:42,030
the two colleagues that he arrived at

35
00:01:48,980 --> 00:01:45,920
the station with back in November of

36
00:01:52,819 --> 00:01:48,990
2011 anton shkaplerov and anatoly

37
00:01:55,130 --> 00:01:52,829
ivanishin those three crew members have

38
00:01:57,560 --> 00:01:55,140

been aboard the station for a hundred

39
00:02:01,649 --> 00:01:57,570
and nineteen days now have they been in

40
00:02:06,730 --> 00:02:01,659
space for 121 days they're headed for a

41
00:02:10,660 --> 00:02:06,740
160 day 168 day stay in space on this

42
00:02:13,180 --> 00:02:10,670
expedition 30 also joined by three other

43
00:02:16,390 --> 00:02:13,190
crew members oleg kononenko andre

44
00:02:19,300 --> 00:02:16,400
kuipers from the netherlands and u.s.

45
00:02:21,130 --> 00:02:19,310
astronaut Don Pettit those three arrived

46
00:02:24,490 --> 00:02:21,140
at the station back just before

47
00:02:28,030 --> 00:02:24,500
Christmas of 2011 and they now have been

48
00:02:32,320 --> 00:02:28,040
aboard the station for 81 days and in

49
00:02:36,820 --> 00:02:32,330
space now for 83 days burbank shkaplerov

50
00:02:39,460 --> 00:02:36,830
a Venetian planned to return home in

51
00:02:41,590 --> 00:02:39,470
April and the other three crew members

52
00:02:44,949 --> 00:02:41,600
Kononenko Kuiper's and Pettit are

53
00:02:50,440 --> 00:02:44,959
scheduled to return home around early

54
00:02:53,380 --> 00:02:50,450
July the crew members wake up about one

55
00:02:56,920 --> 00:02:53,390
o'clock in the morning us time central

56
00:02:58,720 --> 00:02:56,930
time and immediately get into early

57
00:03:00,250 --> 00:02:58,730
morning preparatory activities looking

58
00:03:02,380 --> 00:03:00,260
around the station doing an inspection

59
00:03:03,940 --> 00:03:02,390
and then they hold a daily planning

60
00:03:06,789 --> 00:03:03,950
conference with the teams around the

61
00:03:09,699 --> 00:03:06,799
world on here on the ground to set the

62
00:03:12,039 --> 00:03:09,709
stage for their work on orbit the work

63
00:03:13,870 --> 00:03:12,049

focusing on experiment activities in the

64
00:03:16,720 --> 00:03:13,880
various laboratories that make up the

65
00:03:19,569 --> 00:03:16,730
International Space Station complex and

66
00:03:23,979 --> 00:03:19,579
one of the focuses of attention is by

67
00:03:29,080 --> 00:03:23,989
Don Pettit who is spending quite a bit

68
00:03:30,819 --> 00:03:29,090
of his time on an experiment known as

69
00:03:33,880 --> 00:03:30,829
slice which is the structure and liftoff

70
00:03:36,180 --> 00:03:33,890
in combustion experiment he's been

71
00:03:40,030 --> 00:03:36,190
working with that for a number of days

72
00:03:42,190 --> 00:03:40,040
back in the laboratory it's housed

73
00:03:47,530 --> 00:03:42,200
inside the microgravity Sciences

74
00:03:50,020 --> 00:03:47,540
glovebox and studies the the nature of

75
00:04:05,300 --> 00:03:50,030
flames in the microgravity environment

76
00:04:11,210 --> 00:04:08,229
additionally last week the crew members

77
00:04:15,140 --> 00:04:11,220
supported activities with the robotics

78
00:04:18,259 --> 00:04:15,150
refueling mission of the station that

79
00:04:20,690 --> 00:04:18,269
our RM was the focus of attention with

80
00:04:23,720 --> 00:04:20,700
the robotics operations including the

81
00:04:25,730 --> 00:04:23,730
Canada arm to the and the dexterous

82
00:04:28,360 --> 00:04:25,740
manipulator the special purpose

83
00:04:33,170 --> 00:04:28,370
dexterous manipulator known by Dexter

84
00:04:35,360 --> 00:04:33,180
and that was a very successful operation

85
00:04:37,070 --> 00:04:35,370
everyone was pleased with that in fact

86
00:04:39,710 --> 00:04:37,080
the International Space Station mission

87
00:04:41,420 --> 00:04:39,720
management team met earlier and there

88
00:04:44,300 --> 00:04:41,430

were quite a number of congratulations

89
00:04:48,740 --> 00:04:44,310
all the way around in support of that

90
00:04:53,840 --> 00:04:48,750
our RM operations the next activity with

91
00:04:56,150 --> 00:04:53,850
the RM is scheduled in May when some

92
00:05:00,710 --> 00:04:56,160
additional work will be performed using

93
00:05:03,050 --> 00:05:00,720
the same robotic operations so the crew

94
00:05:06,500 --> 00:05:03,060
spending a very busy day on first day

95
00:05:08,750 --> 00:05:06,510
after a weekend that the crew saw some

96
00:05:10,820 --> 00:05:08,760
rest and we'll spend the rest of the

97
00:05:13,130 --> 00:05:10,830
week working with science investigations