1
00:00:02,610 --> 00:00:04,780
Good morning, this is
mission control Houston.

2
00:00:04,780 --> 00:00:07,240
Welcome and thank you for
joining us for today's edition

3
00:00:07,240 --> 00:00:11,340
of ISS update this
Thursday, September 6.

4
00:00:12,490 --> 00:00:15,910
We're now getting a view inside
the International Space Station

5
00:00:15,910 --> 00:00:18,120
flight control room where the
team has been monitoring the

6
00:00:18,120 --> 00:00:21,600
systems aboard the station and
supporting today's activities

7
00:00:21,600 --> 00:00:25,880
of the Expedition
32 crew members.

8
00:00:25,880 --> 00:00:27,420
Leading the orbit two team here

9
00:00:27,420 --> 00:00:30,330
in the station flight control
room today is flight director

10
00:00:30,330 --> 00:00:32,150
Brian Smith.

11
00:00:33,660 --> 00:00:36,250

Serving as Capcom today has
been astronaut Jack Fischer,

12
00:00:36,250 --> 00:00:37,720
not shown in this view.

13
00:00:37,720 --> 00:00:42,210
He has been relaying all
ground messages up to the crew.

14
00:00:42,210 --> 00:00:45,280
Meanwhile the six crew members
aboard the station include

15
00:00:45,280 --> 00:00:48,710
Russian cosmonaut and Commander
of the complex Gennady Padalka

16
00:00:48,710 --> 00:00:52,130
and Flight Engineers
cosmonaut Sergei Revin,

17
00:00:52,130 --> 00:00:56,600
NASA astronaut Joe Acaba shown
here on the right-hand side,

18
00:00:56,600 --> 00:01:00,230
and then on the left-hand side
is cosmonaut Yuri Malenchenko,

19
00:01:00,230 --> 00:01:05,370
NASA astronaut Suni Williams and
Japanese astronaut Aki Hoshide.

20
00:01:05,370 --> 00:01:07,790
Malenchenko, Williams
and Hoshide arrived

21
00:01:07,790 --> 00:01:09,130
at the International

Space Station

22
00:01:09,130 --> 00:01:12,740
after docking their Soyuz
spacecraft to the Rassvet module

23
00:01:12,740 --> 00:01:18,200
on July 16, and today they
will complete their 55th day

24
00:01:18,200 --> 00:01:19,990
in space.

25
00:01:19,990 --> 00:01:22,680
Meanwhile, Padalka, Revin
and Acaba had launched

26
00:01:22,680 --> 00:01:25,530
to the orbiting complex
aboard their Soyuz spacecraft

27
00:01:25,530 --> 00:01:29,110
as the Expedition 31 crew
just two months ahead

28
00:01:29,110 --> 00:01:32,490
of their station
crewmates back in May.

29
00:01:32,490 --> 00:01:34,250
Their vehicle docked
to the Poisk module

30
00:01:34,250 --> 00:01:36,630
of the space station two
days after their launch.

31
00:01:36,630 --> 00:01:41,320
Today they will complete their
116th consecutive day in space.

32
00:01:45,030 --> 00:01:49,640
The space station with its crew
aboard is flying at an altitude

33
00:01:49,640 --> 00:01:55,360
of about 260 statute miles.

34
00:01:55,360 --> 00:01:56,940
The orbiting facility is

35
00:01:56,940 --> 00:02:00,290
on a southeast track
having just made its way

36
00:02:00,290 --> 00:02:04,530
across the North East
Africa about 10 minutes ago,

37
00:02:04,530 --> 00:02:06,510
and crossing into an
orbital sunset now

38
00:02:06,510 --> 00:02:08,850
over the Indian ocean.

39
00:02:10,060 --> 00:02:12,840
The Expedition 32 crew
kicked off its day

40
00:02:12,840 --> 00:02:16,340
after an early morning wake up
at 1 AM central time followed

41
00:02:16,340 --> 00:02:18,660
by the first of two daily
planning conferences

42
00:02:18,660 --> 00:02:20,950

with ground controllers
at mission control centers

43
00:02:20,950 --> 00:02:23,790
around the world to
review today's activities.

44
00:02:23,790 --> 00:02:28,770
Today the crew has a light duty
day following yesterday's busy

45
00:02:28,770 --> 00:02:30,260
spacewalking day.

46
00:02:30,260 --> 00:02:32,700
Flight Engineers Joe
Acaba, Suni Williams

47
00:02:32,700 --> 00:02:34,290
and Aki Hoshide are working

48
00:02:34,290 --> 00:02:36,940
on a few post-spacewalk
activities coming

49
00:02:36,940 --> 00:02:39,450
after yesterday's
successful spacewalk

50
00:02:39,450 --> 00:02:42,060
that was conducted
complete the installation

51
00:02:42,060 --> 00:02:45,870
of the main bus switching unit.

52
00:02:45,870 --> 00:02:49,240
This morning, Acaba, who
worked the station's arm

53
00:02:49,240 --> 00:02:51,900
from inside the space
station during the spacewalk,

54
00:02:51,900 --> 00:02:55,040
along with the spacewalkers
Williams and Hoshide,

55
00:02:55,040 --> 00:02:57,830
participated in a
post-spacewalk debrief

56
00:02:57,830 --> 00:03:01,300
with the spacewalk
specialists here on the ground.

57
00:03:02,360 --> 00:03:03,810
Acaba then turned his attention

58
00:03:03,810 --> 00:03:05,670
to some regular maintenance
work.

59
00:03:05,670 --> 00:03:07,860
He worked to remove
the depress hose

60
00:03:07,860 --> 00:03:09,240
from the water recovery system

61
00:03:09,240 --> 00:03:13,410
to resume nominal urine
processing assembly operations.

62
00:03:13,410 --> 00:03:16,850
The water recovery
system converts urine,

63
00:03:16,850 --> 00:03:19,850

sweat and condensation
into drinkable water supply

64
00:03:19,850 --> 00:03:23,750
for the crew aboard the
International Space Station.

65
00:03:23,750 --> 00:03:26,350
Acaba also will take some
time out to participate

66
00:03:26,350 --> 00:03:29,450
in a private medical
conference today and work

67
00:03:29,450 --> 00:03:32,140
to deactivate some
video hardware

68
00:03:32,140 --> 00:03:35,540
that was used during yesterday's
spacewalk operations.

69
00:03:35,540 --> 00:03:37,700
He will later today work

70
00:03:37,700 --> 00:03:41,520
to remove the secondary power
distribution assembly jumper

71
00:03:41,520 --> 00:03:47,640
and remove and replace a failed
remote power control module.

72
00:03:47,640 --> 00:03:49,440
Meanwhile yesterday's
spacewalkers,

73
00:03:49,440 --> 00:03:52,380
Flight Engineers Suni

Williams and Aki Hoshide,

74
00:03:52,380 --> 00:03:55,940
conducted a few medical
experiments early this morning

75
00:03:55,940 --> 00:03:59,100
following their spacewalk
yesterday.

76
00:03:59,100 --> 00:04:02,120
Williams is busy today
scrubbing the cooling loops

77
00:04:02,120 --> 00:04:05,740
of the spacesuits that were used
outside the complex yesterday.

78
00:04:05,740 --> 00:04:09,760
This involves dumping and
filling feedwater tanks

79
00:04:09,760 --> 00:04:13,630
to maintain the requirement
for on-orbit stowage.

80
00:04:13,630 --> 00:04:16,090
It's also scrubbing and
iodination of the suits

81
00:04:16,090 --> 00:04:21,420
and airlock cooling water loops.

82
00:04:21,420 --> 00:04:24,340
Today Hoshide will
perform maintenance

83
00:04:24,340 --> 00:04:27,480
on the water processing assembly
to finish transferring water

84
00:04:27,480 --> 00:04:31,340
from the water resource system.

85
00:04:31,340 --> 00:04:33,770
He also earlier spent
some time inspecting

86
00:04:33,770 --> 00:04:38,270
and cleaning the bacteria
filters in the station nodes.

87
00:04:38,270 --> 00:04:42,960
Hoshide later will wrap up the
day in some post-spacewalk work

88
00:04:42,960 --> 00:04:46,090
to de-configure the spacewalk
systems in the airlock

89
00:04:46,090 --> 00:04:48,940
and also return some
hardware gathered in support

90
00:04:48,940 --> 00:04:50,880
of the two recent US spacewalks.

91
00:04:50,880 --> 00:04:55,400
And on the Russian side of the
house, Commander Gennady Padalka

92
00:04:55,400 --> 00:04:57,980
and Flight Engineer Sergei
Revin both spent some time

93
00:04:57,980 --> 00:05:01,240
with crew departure
prep work as Padalka,

94

00:05:01,240 --> 00:05:04,330
Revin and NASA astronaut
Joe Acaba are scheduled

95
00:05:04,330 --> 00:05:06,590
to leave the station and return
to Earth in a little more

96
00:05:06,590 --> 00:05:09,130
than a week from today.

97
00:05:09,130 --> 00:05:13,040
Also today Commander Padalka
who is close to wrapping

98
00:05:13,040 --> 00:05:16,420
up his fourth spaceflight
reached the milestone

99
00:05:16,420 --> 00:05:21,060
of having accumulated
700 days in space.

100
00:05:23,030 --> 00:05:27,050
During this hour flight
engineer Revin is working

101
00:05:27,050 --> 00:05:28,780
with the Russian
science experiment known

102
00:05:28,780 --> 00:05:32,410
as the Bar experiment that
looks at ways and instruments

103
00:05:32,410 --> 00:05:35,750
for detecting the
location of a loss

104
00:05:35,750 --> 00:05:37,160

of pressure aboard the station.

105
00:05:37,160 --> 00:05:44,550
Each of the crew members will
put in their daily two hours

106
00:05:44,550 --> 00:05:47,530
of exercise using the
onboard gym equipment

107
00:05:47,530 --> 00:05:50,510
that includes a station
bicycle, treadmill

108
00:05:50,510 --> 00:05:52,900
and an advanced resistive
exercise device

109
00:05:52,900 --> 00:05:55,810
that simulates weightlifting
here on Earth.

110
00:05:55,810 --> 00:05:57,490
They will then participate

111
00:05:57,490 --> 00:05:59,680
in their final daily
planning conferences

112
00:05:59,680 --> 00:06:01,820
with the ground controllers
around the world.