
EXPEDITION 32
GENNADY PADALKA
Commander

1
00:00:05,840 --> 00:00:03,649
welcome back again inside of Mission

2
00:00:07,099 --> 00:00:05,850
Control Houston joining us here in the

3
00:00:09,740 --> 00:00:07,109
International Space Station flight

4
00:00:12,290 --> 00:00:09,750
control room with today's International

5
00:00:13,880 --> 00:00:12,300
Space Station update terms of the cruise

6
00:00:16,730 --> 00:00:13,890
day today we'll start off with our you

7
00:00:19,519 --> 00:00:16,740
SOS astronauts first off joe acaba

8
00:00:22,460 --> 00:00:19,529
returning to some work with the Robonaut

9
00:00:24,259 --> 00:00:22,470
today powering up the robotic crew

10
00:00:27,019 --> 00:00:24,269
member on board the station for another

11
00:00:29,029 --> 00:00:27,029
series of exercises this actually a view

12
00:00:31,399 --> 00:00:29,039
from robonaut's helmet cam as he was

13
00:00:33,470 --> 00:00:31,409

going through the motions of activating

14
00:00:35,570 --> 00:00:33,480
different buttons and switches as they

15
00:00:38,600 --> 00:00:35,580
continue to ensure that on his hands are

16
00:00:41,030 --> 00:00:38,610
checking out working properly following

17
00:00:43,970 --> 00:00:41,040
all these robotic ops acabo will be

18
00:00:46,310 --> 00:00:43,980
packing Robonaut up for a couple of

19
00:00:47,600 --> 00:00:46,320
weeks while they leave him back in

20
00:00:50,510 --> 00:00:47,610
storage until they're ready to do

21
00:00:52,970 --> 00:00:50,520
another series of tests aside from that

22
00:00:55,130 --> 00:00:52,980
he was installing a lab trust

23
00:00:57,470 --> 00:00:55,140
contingency jumper that's being done

24
00:01:00,110 --> 00:00:57,480
just in case of the event of the loss of

25
00:01:01,580 --> 00:01:00,120
power from one of the stations direct

26
00:01:04,880 --> 00:01:01,590
current to direct current converter

27
00:01:07,279 --> 00:01:04,890
units this will allow them to supply

28
00:01:09,260 --> 00:01:07,289
power to all the different loads on the

29
00:01:10,940 --> 00:01:09,270
external trust so just another

30
00:01:13,279 --> 00:01:10,950
redundancy measure to make sure this

31
00:01:16,489 --> 00:01:13,289
International Space Station is always

32
00:01:18,679 --> 00:01:16,499
working in the case of failures moving

33
00:01:20,840 --> 00:01:18,689
on nasa astronaut suni williams earlier

34
00:01:22,940 --> 00:01:20,850
this morning completed a pre spacewalk

35
00:01:26,149 --> 00:01:22,950
medical exam she was joined in that

36
00:01:28,130 --> 00:01:26,159
activity by her fellow space Walker aki

37
00:01:30,469 --> 00:01:28,140
hoshide a is the to prepare to step out

38
00:01:32,899 --> 00:01:30,479

of the station's airlock later this week

39
00:01:37,399 --> 00:01:32,909
on August 30th for six and a half hour

40
00:01:39,559 --> 00:01:37,409
spacewalk aside from that she was doing

41
00:01:40,999 --> 00:01:39,569
some work to highlight radiation

42
00:01:42,770 --> 00:01:41,009
research onboard the International Space

43
00:01:45,830 --> 00:01:42,780
Station with an exploration design

44
00:01:48,649 --> 00:01:45,840
challenge and then she was also doing a

45
00:01:51,050 --> 00:01:48,659
few more maintenance activities setting

46
00:01:52,520 --> 00:01:51,060
up a network laptop also doing some work

47
00:01:55,609 --> 00:01:52,530
on the Environmental Health System

48
00:01:57,830 --> 00:01:55,619
onboard the station doing some sample

49
00:02:00,469 --> 00:01:57,840
taking activities from the total organic

50
00:02:02,749 --> 00:02:00,479
carbon analyzer which helps to give a

51
00:02:05,569 --> 00:02:02,759
general indication of the overall water

52
00:02:07,249 --> 00:02:05,579
quality of these astronauts and what

53
00:02:09,020 --> 00:02:07,259
they're drinking by indicating the

54
00:02:12,199 --> 00:02:09,030
potential presence of any hazardous

55
00:02:14,780 --> 00:02:12,209
chemicals meanwhile aki hoshide again

56
00:02:16,309 --> 00:02:14,790
did that pre spacewalk medical

57
00:02:19,369 --> 00:02:16,319
exam earlier this morning along with

58
00:02:21,589 --> 00:02:19,379
Williams and also helped her out netic

59
00:02:24,080 --> 00:02:21,599
exploration design challenge and he was

60
00:02:27,080 --> 00:02:24,090
also moving through the procedures for

61
00:02:29,899 --> 00:02:27,090
this Thursday spacewalk and updating all

62
00:02:32,539 --> 00:02:29,909
the plans in conjunction with teams here

63
00:02:34,520 --> 00:02:32,549

down on the ground he'll also be taking

64
00:02:37,520 --> 00:02:34,530
some time to inspect and clean all of

65
00:02:39,289 --> 00:02:37,530
the USO s segment hat seals then take a

66
00:02:43,190 --> 00:02:39,299
few dust samples from inside of the

67
00:02:44,780 --> 00:02:43,200
Japanese experiment module meanwhile our

68
00:02:47,030 --> 00:02:44,790
Russian cosmonauts starting off with

69
00:02:48,940 --> 00:02:47,040
commander padalka who was doing an

70
00:02:51,920 --> 00:02:48,950
orthostatic stability evaluation

71
00:02:54,259 --> 00:02:51,930
orthostatic referring to when the body

72
00:02:56,780 --> 00:02:54,269
is in an upright position this study

73
00:02:59,050 --> 00:02:56,790
looking to see how microgravity affects

74
00:03:01,879 --> 00:02:59,060
the body's distribution of fluids and

75
00:03:03,920 --> 00:03:01,889
the objective of this study which is one

76
00:03:06,530 --> 00:03:03,930
of many biological studies onboard the

77
00:03:09,800 --> 00:03:06,540
station looking to predict any

78
00:03:11,479 --> 00:03:09,810
orthostatic intolerance which a little

79
00:03:13,640 --> 00:03:11,489
bit easier words is the ability for

80
00:03:16,220 --> 00:03:13,650
these astronauts to stand upright after

81
00:03:18,409 --> 00:03:16,230
they've spent long periods of time in a

82
00:03:20,059 --> 00:03:18,419
weightless environment he was also doing

83
00:03:21,379 --> 00:03:20,069
some routine replacement work for

84
00:03:25,039 --> 00:03:21,389
different components inside of the

85
00:03:27,199 --> 00:03:25,049
Russian toilet system Russian cosmonaut

86
00:03:29,420 --> 00:03:27,209
Sergei revin joined padalka net worth a

87
00:03:31,819 --> 00:03:29,430
static stability evaluation was also

88
00:03:33,770 --> 00:03:31,829

doing an on-orbit hearing assessment so

89
00:03:36,680 --> 00:03:33,780
astronauts often serving as guinea pigs

90
00:03:39,439 --> 00:03:36,690
for many of these biological experiments

91
00:03:41,569 --> 00:03:39,449
on the human body looking to engage the

92
00:03:44,659 --> 00:03:41,579
response to the long-duration periods in

93
00:03:46,449 --> 00:03:44,669
microgravity then our final expedition

94
00:03:49,099 --> 00:03:46,459
32 crew member yuri malenchenko

95
00:03:51,649 --> 00:03:49,109
replacing a relay adapter inside of the

96
00:03:53,479 --> 00:03:51,659
Russians are you module also a little

97
00:03:55,520 --> 00:03:53,489
bit later today he'll be reviewing some

98
00:03:58,640 --> 00:03:55,530
of the robotic procedures alongside with

99
00:04:00,140 --> 00:03:58,650
nasa astronaut joe acaba she looks to