
EXPEDITION 34
О. НОВИЦКИЙ
OLEG NOVITSKIY
Flight Engineer

1
00:00:04,830 --> 00:00:03,180
good day and welcome to Mission Control

2
00:00:07,020 --> 00:00:04,840
Houston where a team of flight

3
00:00:09,360 --> 00:00:07,030
controllers some of them in festive garb

4
00:00:11,159 --> 00:00:09,370
is following the activities aboard the

5
00:00:14,579 --> 00:00:11,169
International Space Station as the

6
00:00:16,260 --> 00:00:14,589
expedition 34 crew continues its work

7
00:00:18,630 --> 00:00:16,270
and gets ready for the arrival of three

8
00:00:20,100 --> 00:00:18,640
new crew members today the crew is

9
00:00:22,920 --> 00:00:20,110
working on a variety of different

10
00:00:24,960 --> 00:00:22,930
research and maintenance tasks and also

11
00:00:28,590 --> 00:00:24,970
of course anticipating the arrival of

12
00:00:31,730 --> 00:00:28,600
Tom Marshburn Chris Hadfield and Roman

13
00:00:34,620 --> 00:00:31,740

Romanenko for a little pre holiday party

14
00:00:36,240 --> 00:00:34,630
Ford had a trading session today on how

15
00:00:39,270 --> 00:00:36,250
to catch the fish that are part of the

16
00:00:41,520 --> 00:00:39,280
JAXA medaka experiment this is an

17
00:00:44,670 --> 00:00:41,530
osteoclast experiment that uses the

18
00:00:47,400 --> 00:00:44,680
bones of these tiny fish to determine

19
00:00:50,010 --> 00:00:47,410
how microgravity stays affect the human

20
00:00:52,020 --> 00:00:50,020
skeletal system it's not always easy to

21
00:00:54,770 --> 00:00:52,030
catch the fish in the new aquatic

22
00:00:58,380 --> 00:00:54,780
habitat that's in the Kibo laboratory

23
00:01:00,810 --> 00:00:58,390
the bubbles that develop in that habitat

24
00:01:04,079 --> 00:01:00,820
to tend to obscure the fish and so the

25
00:01:06,719 --> 00:01:04,089
training was well-received by Kevin Ford

26
00:01:09,360 --> 00:01:06,729
today you'll have an opportunity to talk

27
00:01:12,149 --> 00:01:09,370
with the investigators for that

28
00:01:14,969 --> 00:01:12,159
experiment about how that all went and

29
00:01:17,010 --> 00:01:14,979
any suggestions for improvement for it

30
00:01:20,250 --> 00:01:17,020
also today is removing or placing the

31
00:01:22,550 --> 00:01:20,260
laboratory bacteria filter and the

32
00:01:25,469 --> 00:01:22,560
desiccants in the microgravity

33
00:01:27,870 --> 00:01:25,479
experiment research locker or incubator

34
00:01:31,260 --> 00:01:27,880
known as Merlin those helped hold down

35
00:01:33,090 --> 00:01:31,270
the humidity levels in that locker old

36
00:01:34,920 --> 00:01:33,100
novitskiy did some maintenance on the

37
00:01:37,080 --> 00:01:34,930
air heater fan and the Soyuz that's

38
00:01:38,910 --> 00:01:37,090

currently docked to the station and for

39
00:01:40,800 --> 00:01:38,920
a second day he did work with the lower

40
00:01:44,070 --> 00:01:40,810
body negative pressure experiment that

41
00:01:46,320 --> 00:01:44,080
it is used to pull fluids that tend to

42
00:01:48,480 --> 00:01:46,330
collect in the torso of the body down

43
00:01:51,480 --> 00:01:48,490
into the lower extremities in

44
00:01:53,580 --> 00:01:51,490
microgravity your fluids tend to pull up

45
00:01:56,070 --> 00:01:53,590
into your torso because there's no

46
00:01:59,069 --> 00:01:56,080
gravity pulling dip down into the feet

47
00:02:01,109 --> 00:01:59,079
and leg area and this lower body

48
00:02:04,440 --> 00:02:01,119
negative pressure experiment looks at

49
00:02:06,390 --> 00:02:04,450
whether some forced change in the

50
00:02:09,600 --> 00:02:06,400
distribution of bodily fluids can help

51
00:02:11,370 --> 00:02:09,610
astronauts better respond to the return

52
00:02:13,020 --> 00:02:11,380
to one gravity on earth when they come

53
00:02:15,449 --> 00:02:13,030
home after four to six

54
00:02:17,340 --> 00:02:15,459
months on orbit if Gator Elkin is doing

55
00:02:19,080 --> 00:02:17,350
some routine maintenance on the electron

56
00:02:21,420 --> 00:02:19,090
system that's the Russian alloxan

57
00:02:23,550 --> 00:02:21,430
generating system as well as some

58
00:02:25,410 --> 00:02:23,560
emergency valves in the Russian segment

59
00:02:27,270 --> 00:02:25,420
of the space station the crew is going

60
00:02:29,340 --> 00:02:27,280
to go to bed as usual about 3:30 p.m.

61
00:02:31,550 --> 00:02:29,350
Central time today but we'll have a

62
00:02:34,650 --> 00:02:31,560
12-hour sleep period that'll help them

63
00:02:36,600 --> 00:02:34,660

shift their schedules to support a busy

64
00:02:40,620 --> 00:02:36,610
day of rendezvous and docking activities

65
00:02:43,020 --> 00:02:40,630
tomorrow as the Soyuz tma-07m spacecraft

66
00:02:45,300 --> 00:02:43,030
which is currently doing very well in

67
00:02:47,250 --> 00:02:45,310
orbit makes its final approach to the

68
00:02:49,920 --> 00:02:47,260
International Space Station delivering

69
00:02:52,530 --> 00:02:49,930
NASA's Tom Marshburn Canada's Chris

70
00:02:55,770 --> 00:02:52,540
Hadfield and Russia's Roman Romanenko

71
00:02:58,290 --> 00:02:55,780
our docking coverage for tomorrow will

72
00:03:01,380 --> 00:02:58,300
begin at 7:30 a.m. Central time and

73
00:03:03,960 --> 00:03:01,390
docking is a plan for 8:12 a.m. Central

74
00:03:06,420 --> 00:03:03,970
and then several hours later we'll have

75
00:03:08,699 --> 00:03:06,430
the hatch opening and welcoming

76
00:03:11,220 --> 00:03:08,709
ceremonies aboard the space station

77
00:03:14,100 --> 00:03:11,230
a reminder that during the holiday

78
00:03:15,900 --> 00:03:14,110
periods you can send a special greeting

79
00:03:18,479 --> 00:03:15,910
to the crew onboard the space station