
MISSION CONTROL CENTER
esa
JAXA
OSO
ISO
DATO

1
00:00:00,506 --> 00:00:25,126
[Music]

2
00:00:25,626 --> 00:00:28,836
>> Good day and welcome
to Mission Control Houston

3
00:00:28,836 --> 00:00:30,786
where the team of
flight controllers

4
00:00:30,786 --> 00:00:35,066
in Flight Control 1
is working on support

5
00:00:35,116 --> 00:00:37,986
for the crew aboard the
International Space Station.

6
00:00:38,386 --> 00:00:42,306
Expedition 36 is made up of
Commander Pavel Vinogradov,

7
00:00:42,306 --> 00:00:46,256
along with Flight Engineers
Chris Cassidy and Karen Nyberg

8
00:00:46,256 --> 00:00:50,616
of NASA, Alexander Misurkin
and Fyodor Yurchikhin

9
00:00:50,616 --> 00:00:53,796
who share the Russian
Federal Space Agency origins

10
00:00:53,796 --> 00:00:56,466
of Vinogradov, and
European Space Station,

11

00:00:57,326 --> 00:01:00,246
European Space Agency
astronaut Luca Parmitano.

12
00:01:00,526 --> 00:01:03,076
All six of the crew
members have been going

13
00:01:03,076 --> 00:01:06,106
through a very busy day
of research activities,

14
00:01:06,446 --> 00:01:13,326
space suit troubleshooting, and
a fairly major [pause] drill

15
00:01:13,806 --> 00:01:15,506
for emergency purposes.

16
00:01:16,016 --> 00:01:19,316
The troubleshooting
continues on the suit

17
00:01:19,356 --> 00:01:22,616
that Luca Parmitano was
wearing on Tuesday when he

18
00:01:22,616 --> 00:01:26,056
and Chris Cassidy stepped
outside the Quest airlock

19
00:01:26,056 --> 00:01:30,186
for a one hour and 32
minute long spacewalk

20
00:01:30,256 --> 00:01:32,666
that was cut short from
what had planned to be six

21
00:01:32,666 --> 00:01:35,896

and a half hours
after water collected

22
00:01:35,896 --> 00:01:39,976
in Luca Parmitano's space
suit helmet and visor area.

23
00:01:40,616 --> 00:01:44,186
The team here in Mission
Control, along with engineers

24
00:01:44,186 --> 00:01:48,356
in the background, are
taking a very detailed

25
00:01:48,356 --> 00:01:51,736
and systematic look at what
might have caused that problem.

26
00:01:51,736 --> 00:01:55,966
They are viewing all the
paperwork for the various suits

27
00:01:55,966 --> 00:01:58,576
that are onboard the
International Space Station,

28
00:01:58,576 --> 00:02:01,396
to review all the testing and
certification that was done

29
00:02:01,396 --> 00:02:03,476
on those space suits, which
is extremely thorough.

30
00:02:04,356 --> 00:02:07,476
They also are doing
a step-by-step look

31
00:02:07,476 --> 00:02:10,336

at the potential
causes of what happened,

32
00:02:10,986 --> 00:02:15,086
which was that a significant
amount of water collected

33
00:02:15,086 --> 00:02:19,616
in the helmet area of Lucatano's
extravehicular mobility unit.

34
00:02:20,116 --> 00:02:22,726
We can see those space
suits as they are stored

35
00:02:22,726 --> 00:02:25,766
in the equipment lock here
of the Quest airlock module.

36
00:02:26,326 --> 00:02:29,156
And so far the team
is continuing to do

37
00:02:29,156 --> 00:02:33,376
that step-by-step review,
no definite cause has

38
00:02:33,376 --> 00:02:37,186
yet been identified and their
main job, right now, is to try

39
00:02:37,186 --> 00:02:38,536
and identify and make sure

40
00:02:38,536 --> 00:02:42,806
that this was a suit-specific
problem, that it's not anything

41
00:02:42,806 --> 00:02:45,036
that is generic and might

affect the other suits

42
00:02:45,036 --> 00:02:45,846
that are onboard.

43
00:02:46,186 --> 00:02:49,176
There are enough suits and
suit components aboard the

44
00:02:49,176 --> 00:02:54,546
International Space Station that
should a major contingency occur

45
00:02:54,836 --> 00:02:58,096
that would require a repair
outside the space station,

46
00:02:58,476 --> 00:03:01,336
after a thorough trade
of the potential risks

47
00:03:01,336 --> 00:03:03,666
of the space walk
versus the value

48
00:03:03,746 --> 00:03:06,496
of fixing whatever might have
come up outside the station,

49
00:03:06,896 --> 00:03:08,946
we could possibly
do a space walk,

50
00:03:09,026 --> 00:03:11,836
but there are no space
walks planned immediately.

51
00:03:11,836 --> 00:03:13,396
All of the tasks that
have been planned

52
00:03:13,396 --> 00:03:20,006
on Tuesday were important,
but not of a critical or,

53
00:03:20,076 --> 00:03:24,466
or immediate need nature and
so those could be accomplished

54
00:03:24,466 --> 00:03:25,536
on a future space walk.

55
00:03:27,046 --> 00:03:29,196
Luca Parmitano today set

56
00:03:29,196 --> 00:03:32,116
up experiment equipment
in the Biolab rack.

57
00:03:32,476 --> 00:03:37,606
Karen Nyberg worked to set up
a new fluorescent microscope

58
00:03:37,696 --> 00:03:41,166
that was recently delivered to
the International Space Station.

59
00:03:41,766 --> 00:03:44,636
She was assembling the
microscope components

60
00:03:44,636 --> 00:03:47,106
and setting them up for
an initial check out.

61
00:03:47,726 --> 00:03:51,086
The entire crew also
participated

62

00:03:51,086 --> 00:03:53,596
in a periodic emergency
simulation drill.

63
00:03:54,006 --> 00:03:57,076
All six of them got into their
respective Soyuz spacecraft

64
00:03:57,076 --> 00:04:00,236
as mission control teams
followed along and helped out

65
00:04:00,636 --> 00:04:03,736
and worked with them to identify
the source of a simulated fire

66
00:04:03,736 --> 00:04:05,116
on board and to put it out.

67
00:04:05,546 --> 00:04:08,506
The crew members each retreated

68
00:04:08,506 --> 00:04:11,046
to their respected Soyuz
spacecraft that you can see

69
00:04:11,046 --> 00:04:17,686
on that graphic, the expedition,
the Soyuz crew for one

70
00:04:17,686 --> 00:04:21,756
of those vehicles, the Soyuz
34 would be Pavel Vinogradov,

71
00:04:21,756 --> 00:04:23,596
Alexander Misurkin,
and Chris Cassidy.

72
00:04:24,026 --> 00:04:26,876
And for the other,

Soyuz 35, at the bottom

73
00:04:26,876 --> 00:04:29,716
of the space station stack
is Fyodor Yurchikhin,

74
00:04:29,766 --> 00:04:31,466
Luca Parmitano, and
Karen Nyberg.

75
00:04:31,776 --> 00:04:32,986
After the drill was over,

76
00:04:32,986 --> 00:04:36,126
they resumed their normal duties
inside the International Space

77
00:04:36,126 --> 00:04:42,726
Station and conducted a
thorough overview, is scheduled

78
00:04:42,726 --> 00:04:45,836
for a little bit later
today to go over the results

79
00:04:45,836 --> 00:04:46,886
of that training session.

80
00:04:48,206 --> 00:04:51,966
All systems aboard the space
station otherwise working very

81
00:04:51,966 --> 00:04:57,626
well and we are anticipating
at 12:15 p.m. Central Time,

82
00:04:57,666 --> 00:05:00,866
that Cassidy, Nyberg, and
Parmitano will be interviewed

83
00:05:00,866 --> 00:05:05,946
by KGO Television in San
Francisco and WDAY Television

84
00:05:05,946 --> 00:05:07,296
in Fargo, North Dakota.

85
00:05:07,756 --> 00:05:11,126
Those will be on the media and
education channels of NASA TV

86
00:05:11,416 --> 00:05:15,736
as other events are carried on
the public and media channels,

87
00:05:15,956 --> 00:05:19,436
excuse me, the public channel
and then we'll have replays