



**CHRIS CASSIDY**  
EXPEDITION 36 FLIGHT ENGINEER

1  
00:00:01,510 --> 00:00:04,170  
[ Music ]

2  
00:00:04,170 --> 00:00:06,330  
>> Greetings from Mission  
Control Houston and welcome

3  
00:00:06,330 --> 00:00:09,220  
to Space Station Live and  
joining us here inside

4  
00:00:09,220 --> 00:00:11,690  
of the International Space  
Station Flight Control Room

5  
00:00:11,690 --> 00:00:14,650  
located at the Johnson Space  
Center in Houston, Texas,

6  
00:00:14,650 --> 00:00:16,130  
looking down at the Orbit 2 team

7  
00:00:16,130 --> 00:00:18,540  
as the man the consoles  
throughout this control room

8  
00:00:18,540 --> 00:00:22,400  
monitoring all the systems on  
board the orbit and laboratory.

9  
00:00:22,400 --> 00:00:25,900  
Today's team is being led today  
by Flight Director Richard Jones

10  
00:00:25,900 --> 00:00:28,400  
and joining him there at the  
[inaudible] position serving

11  
00:00:28,400 --> 00:00:30,410

as the communication link  
between all of our teams

12

00:00:30,410 --> 00:00:31,950

down here on the ground  
and the astronauts

13

00:00:31,950 --> 00:00:35,970

up in space is David St. Jacques  
[phonetic] and those astronauts

14

00:00:35,970 --> 00:00:39,210

up in space right now the  
international crew of 6 members

15

00:00:39,210 --> 00:00:42,200

from nations across globe  
with Exploration 36.

16

00:00:42,200 --> 00:00:45,800

They are being led by Russian  
Cosmonaut Pavel Vinogradov.

17

00:00:45,800 --> 00:00:49,030

Joining him two fellow  
Russians, Alexander Misurkin

18

00:00:49,030 --> 00:00:50,250

and Fyodor Yurchikhin.

19

00:00:50,250 --> 00:00:54,190

We also have 2 NASA astronauts  
onboard, Chris Cassidy

20

00:00:54,190 --> 00:00:57,480

and Karen Nyberg, both on  
their second space flights.

21

00:00:57,480 --> 00:01:00,750

Rounding out the crew from the

European Space Agency Italian

22

00:01:00,750 --> 00:01:02,450

Luca Parmitano.

23

00:01:02,450 --> 00:01:06,790

The crew starting up their work  
week this week will start off

24

00:01:06,790 --> 00:01:08,650

with Commander Pavel Vinogradov,

25

00:01:08,650 --> 00:01:11,440

who is moving throughout the  
Russian segment today taking

26

00:01:11,440 --> 00:01:14,240

some photographs of the air  
duct work throughout the Russian

27

00:01:14,240 --> 00:01:16,980

ventilation system and  
downlinking those to the ground.

28

00:01:16,980 --> 00:01:19,800

He'll also be the first of  
the 3 Russian cosmonauts

29

00:01:19,800 --> 00:01:21,990

to do a physical  
fitness evaluation.

30

00:01:21,990 --> 00:01:25,250

All three will be doing  
that during their day today.

31

00:01:25,250 --> 00:01:28,440

Meanwhile onboard Alexander  
Misurkin is on the hook

32

00:01:28,440 --> 00:01:29,420

to take some photos

33

00:01:29,420 --> 00:01:33,750

for an ongoing Russian earth  
observation experiment using the

34

00:01:33,750 --> 00:01:36,120

station as a vantage  
point to photograph

35

00:01:36,120 --> 00:01:38,480

and document numerous  
climate changes,

36

00:01:38,480 --> 00:01:40,660

hot spots throughout the globe.

37

00:01:40,660 --> 00:01:41,980

He'll also be inside

38

00:01:41,980 --> 00:01:46,490

of the Progress 50P vehicle  
transferring some of the cargo

39

00:01:46,490 --> 00:01:48,290

from that over into the station.

40

00:01:48,290 --> 00:01:49,900

You can see the current makeup

41

00:01:49,900 --> 00:01:51,760

of the International  
Space Station right now.

42

00:01:51,760 --> 00:01:56,830

Two crew craft, the Soyuz 34  
and 35 currently docked and also

43

00:01:56,830 --> 00:01:59,660

to unman cargo crafts  
the Progress 50,

44

00:01:59,660 --> 00:02:02,050

which Misurkin will  
be inside of today,

45

00:02:02,050 --> 00:02:05,290

and also the European ATV4  
they are docked all the way

46

00:02:05,290 --> 00:02:09,460

at the end of the F section of  
the International Space Station.

47

00:02:09,460 --> 00:02:13,350

NASA astronaut Chris Cassidy is  
doing quite a bit of prep work

48

00:02:13,350 --> 00:02:16,750

for an upcoming spacewalk  
that he'll be taking part in.

49

00:02:16,750 --> 00:02:21,960

Cassidy designated EV1 and Luca  
Parmitano designated EV2 will be

50

00:02:21,960 --> 00:02:24,770

conducting 2 space walks  
over the next two weeks.

51

00:02:24,770 --> 00:02:31,470

The first of which on July 9  
noted EVA22 and then on July 16,

52

00:02:31,470 --> 00:02:34,570

just one week later, EVA23.

53

00:02:34,570 --> 00:02:36,140

Both of those are  
scheduled to start

54

00:02:36,140 --> 00:02:39,050

at about 7:10AM Central Time.

55

00:02:39,050 --> 00:02:43,080

The two astronauts will  
be heading outside.

56

00:02:43,080 --> 00:02:47,810

Again, you can see those will  
begin at 7:10AM Central Time,

57

00:02:47,810 --> 00:02:51,460

8:10 Eastern Time, and we'll be  
bringing you live coverage here

58

00:02:51,460 --> 00:02:52,850

on NASA TV.

59

00:02:52,850 --> 00:02:56,500

The astronauts will be heading  
outside to replace a space

60

00:02:56,500 --> 00:02:58,260

to ground communications'  
receiver

61

00:02:58,260 --> 00:03:00,840

and also some wireless  
video equipment along

62

00:03:00,840 --> 00:03:06,050

with routing a few  
cables and power hooks

63

00:03:06,050 --> 00:03:10,680

for an upcoming Russian

multi-purpose laboratory module.

64

00:03:10,680 --> 00:03:15,740

So Cassidy today doing some onboard training for the safer

65

00:03:15,740 --> 00:03:18,450

or the simplified aid for EVA rescue.

66

00:03:18,450 --> 00:03:20,250

Sort of the emergency jet pack

67

00:03:20,250 --> 00:03:21,780

that these astronauts have attacked

68

00:03:21,780 --> 00:03:23,850

to their space suits during space walks

69

00:03:23,850 --> 00:03:26,570

and also doing the enhanced caution

70

00:03:26,570 --> 00:03:29,110

and warning system onboard training.

71

00:03:29,110 --> 00:03:31,190

Aside from that he'll be installing some hardware

72

00:03:31,190 --> 00:03:33,510

from that air lock that will be needed

73

00:03:33,510 --> 00:03:37,110

for the upcoming space walk and preparing the quest air lock

74

00:03:37,110 --> 00:03:40,460  
to support all those  
EVA operations.

75

00:03:40,460 --> 00:03:44,260  
Fyodor Yurchikhin over in the  
Russian segment doing some

76

00:03:44,260 --> 00:03:46,590  
maintenance on some  
storage batteries.

77

00:03:46,590 --> 00:03:49,860  
He's also doing some post  
spacewalk reconfigurations

78

00:03:49,860 --> 00:03:50,770  
on the [inaudible] module

79

00:03:50,770 --> 00:03:54,450  
and also the Docking  
Compartment 1 known as Pirs

80

00:03:54,450 --> 00:03:58,690  
where the Russian EVA 33 took  
place out of, back on Monday,

81

00:03:58,690 --> 00:04:02,690  
June 24, and that was a six  
and a half hour spacewalk

82

00:04:02,690 --> 00:04:05,220  
from Yurchikhin and Misurkin,

83

00:04:05,220 --> 00:04:08,120  
who were outside installing  
a number of cable clamps,

84

00:04:08,120 --> 00:04:10,720  
hand rails and testing some  
rendezvous equipment also

85

00:04:10,720 --> 00:04:14,210  
for that upcoming Russian  
laboratory module scheduled

86

00:04:14,210 --> 00:04:17,240  
to launch a little  
bit later this year.

87

00:04:17,240 --> 00:04:20,490  
Meanwhile, Luca Parmitano  
changing out the recycle tank

88

00:04:20,490 --> 00:04:21,710  
and the brine filter inside

89

00:04:21,710 --> 00:04:23,960  
of the regenerative  
environmental control

90

00:04:23,960 --> 00:04:25,600  
and life support system.

91

00:04:25,600 --> 00:04:30,780  
He'll also be working on that  
onboard training doing a safer

92

00:04:30,780 --> 00:04:33,910  
and the ECWS or the  
Enhanced Caution

93

00:04:33,910 --> 00:04:36,820  
and Warning System training  
as he continues to prepare

94

00:04:36,820 --> 00:04:39,610  
for that spacewalk

coming up next week.

95

00:04:39,610 --> 00:04:42,450

Aside from that he was  
also working with the MELFI

96

00:04:42,450 --> 00:04:45,040

or the Minus 80 Degree  
Laboratory Freezer a little bit

97

00:04:45,040 --> 00:04:47,980

later today inserting  
a few ice bricks.

98

00:04:47,980 --> 00:04:53,400

Then our final Exhibition 36  
NASA astronaut Karen Nyberg is

99

00:04:53,400 --> 00:04:56,660

working to set up the  
nano regs payloads.

100

00:04:56,660 --> 00:04:58,730

She's doing a few  
hardware installation items

101

00:04:58,730 --> 00:05:01,170

and also activating  
a camera setup.

102

00:05:01,170 --> 00:05:02,680

Aside from that she'll  
be cutting