

10.10.10
ВОСПРЕДЕЛЕНА
04.27.51

PC FNC(20P8-382388/IMP/INACK/IMPDPREC P-094/PACCBET-0889 TMA-19/IMPDPREC P-079/0889 TMA-07
CITYK 108818
OBJEKTYN 1542/1742/3312
234/145/149/117/30/3
117.2
TELEFONER 40132/183/2

000000 2204 020 02 07 30 000000 2004 020 04 02 47
000000 2004 020 02 16 11 000000 2004 020 04 07 33
20 10P400 2004 00 20 00

T = 91.0
RMS=274.0
RMS=250.4

ГРИБОВИ 01:27:38
НАУТОИ 20:27:51
CITYK 1084 202

WWW.NCC.MSK.RU



Russian Mission Control Center

KOROLEV, RUSSIA

1

00:00:01,490 --> 00:00:04,540

[COMMENTATOR] Good morning this is a live view inside the International Space Station flight

2

00:00:04,540 --> 00:00:08,870

control room located the Johnson Space Center in Houston Texas.

3

00:00:08,870 --> 00:00:14,420

You're seeing the Orbit 2 team at their stations and monitoring the vehicle systems.

4

00:00:14,420 --> 00:00:16,160

This is the Orbit 2 team being led

5

00:00:16,160 --> 00:00:19,860

by flight director Chris Edelen shown here in the center of your view.

6

00:00:19,860 --> 00:00:23,300

And to his right is veteran astronaut Shannon Lucid who is serving

7

00:00:23,300 --> 00:00:25,250

as the voice the flight control team.

8

00:00:25,250 --> 00:00:31,540

That console position is known as the Capcom and do represent the flight crew office as well

9

00:00:31,540 --> 00:00:35,630

as the flight control team, basically the liaison between the two,

10

00:00:35,630 --> 00:00:37,980

helping to facilitate the activities.

11

00:00:37,980 --> 00:00:42,060

On board the expedition 30 crew is at work

and all the activities going smoothly.

12

00:00:42,060 --> 00:00:45,720

They're in the early to midafternoon of their crew day.

13

00:00:49,340 --> 00:00:53,970

The International Space Station is just making its way over the,

14

00:00:53,970 --> 00:00:57,730

on a southeasterly track over the southern Pacific Ocean.

15

00:00:57,730 --> 00:01:01,730

As you can see from this view it's in orbital night but just minutes from crossing

16

00:01:01,730 --> 00:01:05,330

over the terminator line to the orbital day.

17

00:01:05,330 --> 00:01:10,450

The vehicle experiences 16 sunrises and sunsets each 24-hour period.

18

00:01:10,450 --> 00:01:15,020

Inside the International Space Station the Expedition 30 crew of Commander Dan Burbank

19

00:01:15,020 --> 00:01:19,350

and cosmonauts Anton Shkaplerov and Anatoly Ivanishin are

20

00:01:19,350 --> 00:01:21,540

at work in their afternoon activities.

21

00:01:21,540 --> 00:01:24,670

Everything is going smoothly onboard the International Space Station.

22

00:01:24,670 --> 00:01:30,190

At this time Commander Dan Burbank is working in the US segment.

23

00:01:30,190 --> 00:01:34,430

He is specifically working on some routine maintenance associated

24

00:01:34,430 --> 00:01:36,150

with the Waste Hygiene Compartment.

25

00:01:36,150 --> 00:01:39,750

This is a close in look at some of equipment that he's been working on.

26

00:01:39,750 --> 00:01:43,530

[RUSSIAN LANGUAGE] [TRANSLATOR] Well the EGB containers we use for urine, 984,

27

00:01:43,530 --> 00:01:46,570

is reflected in the IMS, IMS database only as the cover.

28

00:01:46,570 --> 00:01:48,090

But not the shell.

29

00:01:48,090 --> 00:01:54,450

I don't know who came with this brilliant idea to write down the number

30

00:01:54,450 --> 00:01:59,470

for the containers from inside of the cover.

31

00:01:59,470 --> 00:02:06,370

But if you haven't reflected that then it'll be too boring but won't if I take a knife

32

00:02:06,370 --> 00:02:09,900

and open this up and then I can get the number.

33

00:02:09,900 --> 00:02:13,070

Otherwise I don't have it.

34

00:02:13,070 --> 00:02:15,780

Well when is going to open the cover.

35

00:02:15,780 --> 00:02:20,060

So let us figure it out.

36

00:02:20,060 --> 00:02:31,690

Thanks. [COMMENTATOR] That a bit of dialog between Russian cosmonaut Anton Shkaplerov

37

00:02:31,690 --> 00:02:40,070

who is timelined to be performing some activity with the service modules in the Russian segment,

38

00:02:40,070 --> 00:02:47,260

and that a bit of discussion with ground control team as he's working through that activity.

39

00:02:47,260 --> 00:02:50,520

Commander Dan Burbank continuing along with his work

40

00:02:50,520 --> 00:03:05,350

in the Waste Hygiene Compartment performing maintenance that includes changing

41

00:03:05,350 --> 00:03:08,140

out the urine hose and insert filter.

42

00:03:08,140 --> 00:03:15,470

That is all going smoothly and per the schedule.

43

00:03:15,470 --> 00:03:20,450

That is a test that was timelined to last about an hour and half, and he's in the tail end

44

00:03:20,450 --> 00:03:24,510

of that activity working in tandem
with the ground control team here,

45

00:03:24,510 --> 00:03:29,150

but all the activities going
smoothly on that maintenance work.

46

00:03:29,150 --> 00:03:34,140

Once he's completed this activity he'll
move onto set up of the onboard ultrasound,

47

00:03:34,140 --> 00:03:36,740

which is similar to ultrasounds
used here on the Earth.

48

00:03:36,740 --> 00:03:42,600

That enables them to perform various scans
of the human body and that will be part

49

00:03:42,600 --> 00:03:46,050

of a larger task later this
afternoon for him as part

50

00:03:46,050 --> 00:03:49,950

of the Integrated Cardiovascular experiment.

51

00:03:49,950 --> 00:03:53,690

Today's activities will include
set up of the ultrasound as well

52

00:03:53,690 --> 00:03:58,970

as performing an echocardiogram with guidance
from the Integrated Cardiovascular ground team.

53

00:03:58,970 --> 00:04:03,800

That will take up the bulk of the
afternoon for Commander Dan Burbank.

54

00:04:03,800 --> 00:04:09,100

He'll wrap up his time with a evening daily planning conference tag up,

55

00:04:09,100 --> 00:04:13,230

joined by his counterparts for that, and then some off-duty and personal time.

56

00:04:13,230 --> 00:04:18,130

The crew is scheduled for their crew sleep at 3:30 p.m. central time.

57

00:04:18,130 --> 00:04:21,070

The crew members woke up at midnight central time,

58

00:04:21,070 --> 00:04:24,940

which is the standard wakeup time for the orbiting crew.

59

00:04:24,940 --> 00:04:29,920

They have a routine inspection of the vehicle and then some personal time for their breakfast

60

00:04:29,920 --> 00:04:33,170

and hygiene before they kickoff the day's activities with a start

61

00:04:33,170 --> 00:04:34,960

of day daily planning conference.

62

00:04:34,960 --> 00:04:37,850

This is a look again at that Expedition 30 crew.

63

00:04:37,850 --> 00:04:44,780

Dan Burbank in the center, Anton Shkaplerov at the left and Anatoly Ivanishin in the far right.

64

00:04:44,780 --> 00:04:49,390

The morning included wide array of tasks including some maintenance work.

65
00:04:50,480 --> 00:04:53,860
Burbank also downloaded data from earlier runs

66
00:04:53,860 --> 00:04:57,180
on an Integrated Cardiovascular experiment session.

67
00:04:57,180 --> 00:05:01,930
He also performed activation of the Anomalous Long-Term Effects

68
00:05:01,930 --> 00:05:06,990
In Astronaut Central Nervous System Shield Experiment, which provides an assessment

69
00:05:06,990 --> 00:05:10,810
of the radiation environment inside the International Space Station.

70
00:05:12,090 --> 00:05:17,280
Switching now back to live view in the US segment where Burbank is continuing the work

71
00:05:17,280 --> 00:05:21,860
on the Waste Hygiene Compartment, in the last 10 or 15 minutes of that task.

72
00:05:21,860 --> 00:05:23,900
All that going smoothly.

73
00:05:23,900 --> 00:05:27,200
Here in the flight control room the Orbit 2 team's in the early part of their shift.

74
00:05:27,200 --> 00:05:30,580
They generally perform their handover from the Orbit One team

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00:05:30,580 --> 00:05:33,790

around 7 or 7:30 a.m. central time.

76

00:05:33,790 --> 00:05:36,640

All the activities going smoothly here.

77

00:05:38,050 --> 00:05:43,260

Yesterday while the Johnson Space Center
itself was closed due to a power outage,

78

00:05:43,260 --> 00:05:46,820

the flight control team remained
on duty using the backup system.

79

00:05:46,820 --> 00:05:51,390

There was no interruption to the space
station operations or the ground support here.