
A portrait of Sergei Revin, a male astronaut with dark hair, wearing a blue flight suit with a Russian flag patch on the sleeve. The background is a blue-tinted image of the International Space Station in orbit. The text 'EXPEDITION 32' is written vertically on the left side of the image.

EXPEDITION 32

A vertical strip on the left side of the image showing a view of the Milky Way galaxy against a dark space background.

**SERGEI REVIN**

A vertical strip at the bottom left of the image showing a view of a sunset or sunrise over a horizon, with orange and red colors.

Flight Engineer

1  
00:00:02,586 --> 00:00:04,226  
Good morning and welcome

2  
00:00:04,226 --> 00:00:06,746  
to today's International  
Space Station update hour.

3  
00:00:07,336 --> 00:00:09,796  
You're joining us here at the  
Johnson Space Center in Houston,

4  
00:00:09,796 --> 00:00:10,766  
Texas, inside

5  
00:00:10,766 --> 00:00:12,936  
of the International Space  
Station Flight Control Room

6  
00:00:13,326 --> 00:00:14,826  
where the orbit two  
team is currently

7  
00:00:14,826 --> 00:00:18,156  
on console monitoring all the  
respective systems onboard this

8  
00:00:18,156 --> 00:00:19,136  
orbiting laboratory.

9  
00:00:20,196 --> 00:00:21,606  
The team today is been led

10  
00:00:21,606 --> 00:00:24,586  
by Flight Director Ron  
Spencer there on the right.

11  
00:00:25,006 --> 00:00:27,176  
Joining him at the  
Capcom position,

12

00:00:27,416 --> 00:00:30,406  
serving as a communication link  
between teams here on the ground

13

00:00:30,446 --> 00:00:34,216  
and the astronauts up in space,  
is NASA astronaut Clay Anderson.

14

00:00:35,926 --> 00:00:39,596  
And those astronauts right now  
are the crew of Expedition 32.

15

00:00:40,176 --> 00:00:41,546  
They're being led right now

16

00:00:41,546 --> 00:00:43,936  
by Russian cosmonaut  
Gennady Padalka currently

17

00:00:43,936 --> 00:00:45,466  
on his fourth spaceflight.

18

00:00:45,466 --> 00:00:47,026  
You can see him there  
in the middle.

19

00:00:47,626 --> 00:00:50,686  
To the left is a fellow  
Russian cosmonaut Sergei Revin

20

00:00:50,686 --> 00:00:53,276  
on his first flight onboard  
the International Space Station

21

00:00:53,586 --> 00:00:57,026  
and on the right NASA astronaut  
Joe Acaba, his second flight,

22

00:00:57,396 --> 00:01:01,066  
previously flying on the  
shuttle mission STS-119.

23

00:01:02,636 --> 00:01:05,536  
All three of the crew members  
earlier today participated

24

00:01:05,536 --> 00:01:10,006  
in some onboard training doing  
a Soyuz emergency egress drill,

25

00:01:10,006 --> 00:01:12,096  
basically practicing getting

26

00:01:12,096 --> 00:01:17,286  
into their Soyuz TMA-04M  
spacecraft in case of emergency

27

00:01:17,596 --> 00:01:18,856  
where the astronauts would need

28

00:01:18,856 --> 00:01:21,266  
to quickly depart the  
International Space Station

29

00:01:21,266 --> 00:01:24,566  
and return to Earth for things  
such as a rapid depress.

30

00:01:24,926 --> 00:01:28,246  
You can see that  
Progress spacecraft off

31

00:01:28,246 --> 00:01:29,396  
on the top your screen.

32

00:01:29,796 --> 00:01:33,136  
It's on the zenith-facing  
port of the Poisk module.

33

00:01:35,216 --> 00:01:37,606

So all of the astronauts  
participating in that today

34

00:01:37,606 --> 00:01:39,036

and being walked  
through the procedures

35

00:01:39,036 --> 00:01:40,656

by teams here on the ground.

36

00:01:41,496 --> 00:01:45,646

Moving on, on commander Padalka  
also spent a few hours today

37

00:01:45,646 --> 00:01:51,356

doing a cabin fan assembly  
removal and replacement activity

38

00:01:51,486 --> 00:01:55,186

on the ATV-3, which is the  
unmanned cargo craft built

39

00:01:55,186 --> 00:01:58,646

by the European Space  
Agency, also currently docked

40

00:01:58,646 --> 00:01:59,976

to the International  
Space Station.

41

00:02:00,526 --> 00:02:03,146

And in addition to that he'll  
be doing some inspection

42

00:02:03,226 --> 00:02:05,366

photography on some  
of the windows

43

00:02:05,366 --> 00:02:08,376  
on the Russian service  
module, or the Zvezda,

44

00:02:08,736 --> 00:02:11,446  
checking for any changes,  
any potential defects

45

00:02:11,446 --> 00:02:13,526  
or marks or any discoloration.

46

00:02:14,796 --> 00:02:17,576  
Moving on, our second Russian  
cosmonaut Sergei Revin was

47

00:02:17,576 --> 00:02:21,036  
stowing some items today inside  
of that 47 Progress vehicle

48

00:02:21,506 --> 00:02:24,326  
which will be undocking a  
little bit later this month

49

00:02:24,326 --> 00:02:27,926  
and then re-docking testing  
out a new Kurs system

50

00:02:27,926 --> 00:02:32,446  
for the automated docking that  
these unmanned cargo craft use.

51

00:02:32,926 --> 00:02:38,096  
That'll begin on July 22  
with that Progress 47 undock.

52

00:02:38,536 --> 00:02:41,356  
It'll re-dock two days later  
testing out the new system

53

00:02:41,356 --> 00:02:44,506  
and then finally undock  
on July 30 and then burn

54

00:02:44,506 --> 00:02:46,956  
up in the Earth's  
atmosphere upon re-entry.

55

00:02:47,426 --> 00:02:50,576  
As with all these events, we'll  
have live coverage beginning

56

00:02:50,576 --> 00:02:53,636  
at 3 p.m. on Sunday,  
July 22 of that undocking

57

00:02:54,116 --> 00:02:57,986  
and we'll also carry the re-dock  
operations two days later

58

00:02:58,346 --> 00:03:00,646  
and then that final  
undock on July 30.

59

00:03:01,246 --> 00:03:02,776  
So along with stowing  
items for all

60

00:03:02,776 --> 00:03:05,776  
of these he's also updating the  
station's inventory management

61

00:03:05,776 --> 00:03:08,546  
system which meticulously  
tracks every piece

62

00:03:08,546 --> 00:03:10,336  
of hardware onboard the station.

63

00:03:10,686 --> 00:03:11,966

So the astronauts and the teams

64

00:03:11,966 --> 00:03:13,426  
on the ground always  
know where to look.

65

00:03:14,356 --> 00:03:17,936  
And our third Expedition  
32 crew member Joe Acaba,

66

00:03:17,936 --> 00:03:21,036  
the NASA astronaut, was doing  
some air sampling earlier today

67

00:03:21,036 --> 00:03:23,256  
with the air quality monitor  
checking the astronauts

68

00:03:23,306 --> 00:03:23,856  
breathing air.

69

00:03:24,446 --> 00:03:26,296  
He'll also be doing some  
troubleshooting work

70

00:03:26,296 --> 00:03:29,256  
with the ISSAC, which is the  
International Space Station

71

00:03:29,256 --> 00:03:30,516  
Agricultural Camera.

72

00:03:30,816 --> 00:03:33,536  
A laptop that is used to  
control that recently failed

73

00:03:33,536 --> 00:03:35,766  
so he'll be going  
through some steps along

74

00:03:35,766 --> 00:03:37,526

with specialists here  
on the ground to figure

75

00:03:37,526 --> 00:03:38,816

out what just went wrong.

76

00:03:39,186 --> 00:03:44,056

And then one other activity  
that Acaba will be doing coming

77

00:03:44,056 --> 00:03:48,486

up pretty soon will be doing  
a ham radio contact with Women

78

00:03:48,486 --> 00:03:51,316

in STEM, or Science,  
Technology, Engineering

79

00:03:51,316 --> 00:03:53,796

and Math High School  
Aerospace Scholars here