



1
00:00:18,806 --> 00:00:20,876
>> Good morning, and welcome
to the "Space Station Live"

2
00:00:20,876 --> 00:00:22,776
from the Johnson Space
Center in Houston, Texas.

3
00:00:23,286 --> 00:00:25,236
We're here on the Space
Station Flight Control Room

4
00:00:25,236 --> 00:00:27,666
where the team is monitoring
the International Space Station,

5
00:00:27,916 --> 00:00:31,476
all systems performing well,
and on board the crew activities

6
00:00:31,476 --> 00:00:32,466
like [inaudible]
is going smoothly.

7
00:00:33,316 --> 00:00:36,266
The team is being led by flight
director Greg Whitney today,

8
00:00:36,596 --> 00:00:38,756
who's overseeing the team
and operations this morning.

9
00:00:39,086 --> 00:00:41,356
The flight director
is closely supported

10
00:00:41,476 --> 00:00:42,626
by the [inaudible]
shown here in red,

11
00:00:43,006 --> 00:00:46,906
and serving in that role today
is astronaut Sarina Onen.

12
00:00:47,066 --> 00:00:50,816
While the on orbiting
activities are going smoothly

13
00:00:50,816 --> 00:00:52,666
on the ground, the
countdown is continuing

14
00:00:52,666 --> 00:00:53,736
for today's scheduled launch

15
00:00:53,736 --> 00:00:57,206
of the European Space Agency's
Albert Einstein Automated

16
00:00:57,206 --> 00:00:59,876
Transfer Vehicle Cargo
Ship, perched atop

17
00:00:59,876 --> 00:01:04,446
by 168-foot high [inaudible]
Five rocket on a launch pad

18
00:01:04,446 --> 00:01:05,356
in Karu, French Guinea.

19
00:01:05,926 --> 00:01:07,736
The Albert Einstein
is poised to lift off

20
00:01:07,736 --> 00:01:11,896
at 4:52 PM Central
Time, 6:52 PM Karu time

21
00:01:12,156 --> 00:01:15,516

at an instant launch window
to deliver 7.3 tons of cargo

22

00:01:15,516 --> 00:01:18,156
to the Expedition 36 crew
on the Space Station.

23

00:01:18,896 --> 00:01:21,986
The cargo includes more than
5,000 pounds of dry cargo,

24

00:01:21,986 --> 00:01:23,506
experiment hardware
and supplies,

25

00:01:23,896 --> 00:01:26,696
as well as nearly 2,000 pounds
of propellant for transfer

26

00:01:26,696 --> 00:01:28,146
to the Zvezda Service Module.

27

00:01:28,896 --> 00:01:31,716
It's also carrying more than
5,000 pounds of propellant

28

00:01:31,716 --> 00:01:34,616
for reboost and debris
avoidance maneuver capability,

29

00:01:34,996 --> 00:01:38,456
1,200 pounds of water, and
220 pounds of oxygen and air.

30

00:01:38,966 --> 00:01:41,866
The ATV is scheduled to dock
to the aft part of the Zvezda

31

00:01:42,096 --> 00:01:44,726
on June 15th, four days

after the departure

32

00:01:44,726 --> 00:01:48,606
of the Russian Space Station
progress 51 cargo ship

33

00:01:48,996 --> 00:01:50,656
that arrived on April 26th.

34

00:01:51,146 --> 00:01:54,396
Our coverage of that launch
this afternoon will begin

35

00:01:54,396 --> 00:01:57,486
at 4:15 PM Central
Time on NASA TV.

36

00:01:59,256 --> 00:02:02,716
In space, the Expedition 36
crew is at work and already

37

00:02:02,716 --> 00:02:04,076
in the afternoon
of their crew day.

38

00:02:04,366 --> 00:02:06,616
The crew, including its
three newest crew members,

39

00:02:06,616 --> 00:02:09,216
NASA astronauts Karen
Nyberg, Chris Cassidy,

40

00:02:09,506 --> 00:02:11,946
and European Space Agency
astronaut Luca Parmitano,

41

00:02:11,946 --> 00:02:16,186
and Russian cosmonauts Aleksandr
Misurkin, Fyodor Yurchikhin,

42

00:02:16,186 --> 00:02:18,216
and Pavel Vinogradov
serving as commander.

43

00:02:18,766 --> 00:02:22,186
One of the major activities
today is the various exams

44

00:02:22,186 --> 00:02:24,606
as part of the ocular health
study, which will collect data

45

00:02:24,606 --> 00:02:25,836
about the health and condition

46

00:02:25,836 --> 00:02:27,906
of various crew members'
eyesight and vision.

47

00:02:28,356 --> 00:02:31,296
Both Karen Nyberg and Luca
Parmitano are the test subjects

48

00:02:31,296 --> 00:02:34,076
for that study today and
have several hours dedicated

49

00:02:34,076 --> 00:02:35,456
to the various science runs.

50

00:02:35,806 --> 00:02:38,216
They'll be assisted by
astronaut Chris Cassidy for some

51

00:02:38,216 --> 00:02:41,376
of that work, including
the viable experiment,

52

00:02:41,906 --> 00:02:46,116

rather the ocular health
fundoscope and tonometry.

53

00:02:46,426 --> 00:02:48,276

We'll have more information
on that later this hour.

54

00:02:48,766 --> 00:02:51,246

Chris Cassidy's work
also included evaluation

55

00:02:51,246 --> 00:02:53,806

and monitoring of
the viable experiment

56

00:02:54,166 --> 00:02:55,346

and exercise sessions.

57

00:02:55,736 --> 00:02:57,676

Karen Nyberg is also
participating

58

00:02:57,676 --> 00:03:00,516

in the pro-K nutritional
experiment as well

59

00:03:00,516 --> 00:03:02,416

as a private medical
conference and hand

60

00:03:02,416 --> 00:03:03,826

over time with Chris Cassidy.

61

00:03:06,636 --> 00:03:11,646

Her counterpart, European Space
Agency astronaut Luca Parmitano,

62

00:03:11,646 --> 00:03:14,846

again, joining for some of the

ocular health research work

63

00:03:15,136 --> 00:03:16,786

but also has some
familiarization time

64

00:03:16,786 --> 00:03:17,786

on board the complex.

65

00:03:18,726 --> 00:03:22,166

The Russian counterparts Pavel
Vinogradov, Aleksandr Misurkin,

66

00:03:22,166 --> 00:03:24,566

and Fyodor Yurchikhin will be
working in the Russian segment.

67

00:03:24,896 --> 00:03:26,876

They're working on maintenance
work of the urine tank

68

00:03:26,876 --> 00:03:30,066

and the Rodnick water tanks
as well as fan cleaning

69

00:03:30,066 --> 00:03:34,036

of the mini research module
and coolant system maintenance.

70

00:03:35,036 --> 00:03:37,596

Once the crew members
have wrapped

71

00:03:37,596 --> 00:03:38,786

up their afternoon activities,

72

00:03:38,786 --> 00:03:42,076

they'll have an end-of-day daily
planning conference shortly

73

00:03:42,076 --> 00:03:43,486
after 2:00 PM Central Time.

74

00:03:43,866 --> 00:03:46,486
They have off-duty time for
evening meal, personal time,

75

00:03:46,856 --> 00:03:48,206
and a few end-of-day tasks

76

00:03:48,206 --> 00:03:51,316
and data collections before
their scheduled crew sleep

77

00:03:51,316 --> 00:03:52,986
at 4:30 PM Central Time.

78

00:03:56,846 --> 00:03:59,926
As per the routine, the crew
woke up at 1:00 AM Central Time,

79

00:04:00,306 --> 00:04:03,936
and after their personal time
and breakfast had a morning tag

80

00:04:03,936 --> 00:04:05,256
up with the ground
control teams.

81

00:04:05,686 --> 00:04:09,876
The morning activities included
back-to-back exercise sessions

82

00:04:09,876 --> 00:04:12,186
for astronaut Chris
Cassidy and then work

83

00:04:12,186 --> 00:04:14,266
in the Japanese experiment

module.

84

00:04:15,216 --> 00:04:17,746

Karen Nyberg and Luca
Parmitano, again,

85

00:04:17,876 --> 00:04:21,466

doing some of the ocular
health study work including the

86

00:04:21,466 --> 00:04:23,216

tonometry of runs.

87

00:04:24,476 --> 00:04:27,566

Their counterparts, again,
Pavel Vinogradov, Misurkin,

88

00:04:27,626 --> 00:04:29,226

and Yurchikhin, again,

89

00:04:29,306 --> 00:04:32,056

continuing with some Russian
experiment work as well

90

00:04:32,056 --> 00:04:35,396

as maintenance including the
cleaning of the FGB filters

91

00:04:35,726 --> 00:04:38,146

and continued work with
the bar experiment,

92

00:04:38,146 --> 00:04:40,046

which studies methods
and instruments

93

00:04:40,046 --> 00:04:43,036

for detecting the location
of an air leak from one

94

00:04:43,106 --> 00:04:44,476

of the station's modules.

95

00:04:46,236 --> 00:04:49,446

Again, that brings us to the
early afternoon of the crew day.

96

00:04:49,976 --> 00:04:51,806

The, all the crew
activities as well

97

00:04:51,806 --> 00:04:53,066

as the vehicle performing well

98

00:04:53,426 --> 00:04:54,926

and the spacecraft
just making its way