

FILE



1
00:00:00,500 --> 00:00:05,060
[Music]

2
00:00:05,060 --> 00:00:07,110
>> Good morning, this is
Mission Control, Houston.

3
00:00:07,110 --> 00:00:09,690
Welcome and thank you for
joining us for today's edition

4
00:00:09,690 --> 00:00:13,730
of Space Station Live
this Tuesday, June 11.

5
00:00:13,730 --> 00:00:15,930
Topping today's news for the
International Space Station

6
00:00:15,930 --> 00:00:19,980
and the Expedition 36 crew, a
Russian cargo vehicle safely

7
00:00:19,980 --> 00:00:21,410
and successfully undocked

8
00:00:21,410 --> 00:00:23,550
from the orbiting
complex this morning.

9
00:00:23,550 --> 00:00:25,020
Physical separation
was confirmed

10
00:00:25,020 --> 00:00:29,690
at 8:58 a.m. Central Time as the
two vehicles flew at an altitude

11
00:00:29,690 --> 00:00:35,410

of about 258 statute miles as
it passed over Southeast Russia.

12

00:00:35,410 --> 00:00:39,020

The Progress 51 spacecraft had
delivered roughly three tons

13

00:00:39,020 --> 00:00:42,330

of supplies, including food,
water, and oxygen for the crew,

14

00:00:42,330 --> 00:00:43,180

as well as equipment

15

00:00:43,180 --> 00:00:46,600

for conducting a scientific
research back in April.

16

00:00:46,600 --> 00:00:49,630

The cargo ship had launched
from the Baikonur Cosmodrome

17

00:00:49,630 --> 00:00:52,060

in Kazakhstan back on
April 24th and docked

18

00:00:52,060 --> 00:00:54,830

at the station two days later,

19

00:00:54,830 --> 00:00:56,980

on a standard two-day
rendezvous.

20

00:00:56,980 --> 00:01:00,110

Shortly after liftoff, however,
the cargo ship had failed

21

00:01:00,110 --> 00:01:03,830

to deploy an antenna that
it used for navigation.

22

00:01:03,830 --> 00:01:05,650

Despite deployment
of the antenna,

23

00:01:05,650 --> 00:01:08,470

Progress 51 achieved
a successful docking

24

00:01:08,470 --> 00:01:12,000

to the International Space
Station on the 26th of April.

25

00:01:12,000 --> 00:01:14,770

Cargo craft will now park
at a safe distance away

26

00:01:14,770 --> 00:01:17,500

from the space station for a
few days for engineering tests

27

00:01:17,500 --> 00:01:20,250

to calibrate Russian radar
systems on the ground.

28

00:01:20,250 --> 00:01:22,670

It will then deorbit
for destructive reentry

29

00:01:22,670 --> 00:01:25,760

over the Pacific
Ocean on June 19.

30

00:01:25,760 --> 00:01:28,690

Meanwhile, the Automated
Transfer Vehicle,

31

00:01:28,690 --> 00:01:31,230

the Albert Einstein
which launched last week,

32

00:01:31,230 --> 00:01:34,400
continues to phase towards the
station today with two burns

33

00:01:34,400 --> 00:01:38,310
of thrusters planned to mimic
collision avoidance maneuvers

34

00:01:38,310 --> 00:01:40,900
that would be conducted
in the unlikely event

35

00:01:40,900 --> 00:01:43,570
that the Albert Einstein
would have

36

00:01:43,570 --> 00:01:47,990
to abort the station during
its final approach for docking.

37

00:01:47,990 --> 00:01:50,410
The linkup of the Albert
Einstein to the outport

38

00:01:50,410 --> 00:01:53,590
of this Zvezda Service
Module, which was cleared

39

00:01:53,590 --> 00:01:58,650
with the undocking of the
Progress today as scheduled

40

00:01:58,650 --> 00:02:03,070
to take place on Saturday
at 8:46 a.m. Central Time.

41

00:02:03,070 --> 00:02:04,950
Before this morning's
successful undocking,

42

00:02:04,950 --> 00:02:08,330
the space station crew
members had began their day

43

00:02:08,330 --> 00:02:11,190
with some time this morning
for work prep, breakfast,

44

00:02:11,190 --> 00:02:14,580
morning hygiene, and a
daily station inspection.

45

00:02:14,580 --> 00:02:15,700
Flight engineers Misurkin

46

00:02:15,700 --> 00:02:18,590
and Parmitano spent some time
this morning in the second round

47

00:02:18,590 --> 00:02:21,020
of an onboard training for
the approach and docking

48

00:02:21,020 --> 00:02:25,320
of the ATV-4 cargo craft that
is to arrive on Saturday.

49

00:02:25,320 --> 00:02:29,120
They will be inside this
Zvezda on Saturday morning

50

00:02:29,120 --> 00:02:32,730
when the Albert Einstein's
systems and the rendezvous

51

00:02:32,730 --> 00:02:35,320
and navigational equipment
will be used during this ship's

52

00:02:35,320 --> 00:02:36,870

final approach.

53

00:02:36,870 --> 00:02:38,010

Flight engineers Misurkin

54

00:02:38,010 --> 00:02:40,120

and Yurchikhin had
their sights trained

55

00:02:40,120 --> 00:02:43,020

on their June 24th space
walk just outside the pier's

56

00:02:43,020 --> 00:02:44,380

docking compartment.

57

00:02:44,380 --> 00:02:47,330

They are continuing preparations
today that include the setup

58

00:02:47,330 --> 00:02:50,510

of equipment inside
the pier's airlock.

59

00:02:50,510 --> 00:02:54,400

Flight engineer Chris Cassidy
continued yesterday's work

60

00:02:54,400 --> 00:02:56,690

with the Fluids Integrated
Rack today.

61

00:02:56,690 --> 00:02:58,940

He and flight engineer,
Karen Nyberg, worked together

62

00:02:58,940 --> 00:03:00,640

to prepare samples

for a test run

63

00:03:00,640 --> 00:03:03,250
within the Fluids
Integrated Rack,

64

00:03:03,250 --> 00:03:07,580
which is a complimentary fluid
physics research facility.

65

00:03:07,580 --> 00:03:09,520
Cassidy also performed
some follow-up work

66

00:03:09,520 --> 00:03:13,540
with a SPHERES activity that was
conducted a couple of weeks ago.

67

00:03:13,540 --> 00:03:16,390
Cassidy also will work inside
the Microgravity Science

68

00:03:16,390 --> 00:03:19,720
Glovebox to gather and stow away
the BASS experiment hardware.

69

00:03:19,720 --> 00:03:23,120
BASS is known as the Bonding
and Suppression of Solids,

70

00:03:23,120 --> 00:03:28,170
study the characteristics
of a wide variety

71

00:03:28,170 --> 00:03:30,590
of fuel samples in microgravity.

72

00:03:30,590 --> 00:03:34,790
Research results may aid in
the design of fire detection

73

00:03:34,790 --> 00:03:39,460
and suppression systems in
microgravity and on earth.

74

00:03:39,460 --> 00:03:42,570
Also today, Cassidy and
flight engineers, Karen Nyberg

75

00:03:42,570 --> 00:03:45,350
and Luca Parmitano,
will be participating

76

00:03:45,350 --> 00:03:48,670
in a periodic counter
measure fitness evaluation.

77

00:03:48,670 --> 00:03:53,550
This is conducted once a month
during their stay aboard their

78

00:03:53,550 --> 00:03:55,270
long-duration mission.

79

00:03:55,270 --> 00:03:59,700
They worked today with the
onboard SLAMMD equipment

80

00:03:59,700 --> 00:04:03,570
that enables each crew
member to take his

81

00:04:03,570 --> 00:04:06,460
or her own body mass
measurements.

82

00:04:06,460 --> 00:04:07,910
Nyberg also will participate

83

00:04:07,910 --> 00:04:11,030
in an On-Orbit Hearing
Assessment today.