1
00:00:01,333 --> 00:00:02,568
Good morning.

2
00:00:02,568 --> 00:00:04,403
Thank you for joining
us for ISS update

3
00:00:04,403 --> 00:00:06,572
from the International Space
Station flight control room

4
00:00:06,572 --> 00:00:09,141
at the Johnson Space
Center, Houston, Texas.

5
00:00:09,141 --> 00:00:12,511
On orbit we have a new
vehicle docked to the station.

6
00:00:12,511 --> 00:00:15,548
The ISS Progress 50 cargo
ship automatically docked

7
00:00:15,548 --> 00:00:17,450
to the Pirs docking
compartment yesterday

8
00:00:17,450 --> 00:00:21,954
at 2:35 PM central time over
the Caribbean Sea completing a

9
00:00:21,954 --> 00:00:25,124
flawless accelerated six-hour
trek from the launch pad

10
00:00:25,124 --> 00:00:28,828
at the Baikonur Cosmodrome to
the International Space Station.

11

00:00:28,828 --> 00:00:31,831
The hatch to the newly arrived
Progress 50 was opened shortly

12
00:00:31,831 --> 00:00:35,067
after 6 AM central time this
morning allowing the crew

13
00:00:35,067 --> 00:00:40,272
to begin unloading the 2.9 tons
of cargo, including air, oxygen,

14
00:00:40,272 --> 00:00:42,541
propellant water and
maintenance equipment

15
00:00:42,541 --> 00:00:44,844
and experiment hardware.

16
00:00:44,844 --> 00:00:48,080
On board the Expedition
34 crew of NASA astronaut

17
00:00:48,080 --> 00:00:51,984
and Commander Kevin Ford,
fellow astronaut Tom Marshburn,

18
00:00:51,984 --> 00:00:53,819
Canadian astronaut
Chris Hadfield

19
00:00:53,819 --> 00:00:57,556
and Russian cosmonauts Oleg
Novitskiy Roman Romanenko

20
00:00:57,556 --> 00:01:01,827
and Evgeny Tarelkin are in early
afternoon of their crew day.

21
00:01:01,827 --> 00:01:04,463

They woke up just after
2 AM central time.

22
00:01:04,463 --> 00:01:06,532
Again a slightly adjusted
schedule in support

23
00:01:06,532 --> 00:01:09,201
of the Progress activities
and had some personal time

24
00:01:09,201 --> 00:01:12,938
for hygiene and breakfast before
their daily planning conference,

25
00:01:12,938 --> 00:01:15,241
a tag up with all of the
supporting control centers

26
00:01:15,241 --> 00:01:17,543
around the globe that support
the International Space

27
00:01:17,543 --> 00:01:19,445
Station operations.

28
00:01:19,445 --> 00:01:22,181
Immediately after wake up
Commander Kevin Ford spoke

29
00:01:22,181 --> 00:01:25,351
with students from the
United Kingdom via ham radio.

30
00:01:25,351 --> 00:01:28,487
The students were at
Breadalbane Academy.

31
00:01:28,487 --> 00:01:31,357
Using the ham radio Kevin spoke

with the students about life

32
00:01:31,357 --> 00:01:34,460
in space and other
space related topics.

33
00:01:34,460 --> 00:01:35,961
The rest of his morning and some

34
00:01:35,961 --> 00:01:37,730
of the afternoon
has been focused

35
00:01:37,730 --> 00:01:41,066
on a lengthy task
supporting maintenance

36
00:01:41,066 --> 00:01:43,502
for the internal
thermal control system.

37
00:01:43,502 --> 00:01:46,705
That is scheduled for about
five hours of his crew day.

38
00:01:46,705 --> 00:01:49,942
Again all that going smoothly
this morning continuing

39
00:01:49,942 --> 00:01:51,911
into the afternoon.

40
00:01:54,113 --> 00:01:56,782
He'll be joining fellow
astronaut Tom Marshburn

41
00:01:56,782 --> 00:02:00,052
for questions from reporters
later in the morning.

42
00:02:00,052 --> 00:02:03,856
Tom Marshburn also included
exercise sessions on his morning

43
00:02:03,856 --> 00:02:04,924
and including work

44
00:02:04,924 --> 00:02:06,992
on the advanced resistive
exercise device

45
00:02:06,992 --> 00:02:08,327
and then on the treadmill.

46
00:02:08,327 --> 00:02:10,729
He also had time
dedicated to prepacking

47
00:02:10,729 --> 00:02:14,133
for the Dragon cargo vehicle,
which is expected to arrive

48
00:02:14,133 --> 00:02:17,336
at the space station
in early March.

49
00:02:17,336 --> 00:02:20,339
Tom Marshburn also
worked about an hour

50
00:02:20,339 --> 00:02:23,676
on the Human Research
Facility Pulmonary Function Gas

51
00:02:23,676 --> 00:02:26,812
Management System,
calibrating that equipment.

52
00:02:26,812 --> 00:02:29,215

The Pulmonary Function System
is a collaborative effort

53
00:02:29,215 --> 00:02:34,587
between NASA and the European
space agency to develop a system

54
00:02:34,587 --> 00:02:36,388
for pulmonary physiology
monitoring

55
00:02:36,388 --> 00:02:38,257
on the International
Space Station.

56
00:02:38,257 --> 00:02:42,027
Again that work today
included about one hour of work

57
00:02:42,027 --> 00:02:43,128
to calibrate some

58
00:02:43,128 --> 00:02:46,465
of the equipment
supporting that experiment.

59
00:02:46,465 --> 00:02:48,300
He also worked on some
routine maintenance

60
00:02:48,300 --> 00:02:51,170
on the treadmill onboard
as well as installation

61
00:02:51,170 --> 00:02:53,806
of a video camera assembly
in the Columbus module

62
00:02:53,806 --> 00:02:57,176
which is designed to accommodate

high-definition capability later

63
00:02:57,176 --> 00:02:59,011
this year.

64
00:02:59,011 --> 00:03:01,814
Tom's morning also included
work on the Journal experiment,

65
00:03:01,814 --> 00:03:04,850
which is ongoing experiment
throughout several increments

66
00:03:04,850 --> 00:03:07,486
where they had study
behavioral issues associated

67
00:03:07,486 --> 00:03:08,821
with the isolation

68
00:03:08,821 --> 00:03:11,690
or confinement experienced
during long-duration missions.

69
00:03:11,690 --> 00:03:14,827
Review and analysis of astronaut
journals obtains information

70
00:03:14,827 --> 00:03:19,031
on behavior on human issues that
are relevant to the equipment

71
00:03:19,031 --> 00:03:22,234
and procedures and sustained
human performance during

72
00:03:22,234 --> 00:03:23,936
extended duration missions.

73

00:03:23,936 --> 00:03:26,372
Study results will help provide
information to help prepare

74
00:03:26,372 --> 00:03:30,509
for future missions to low
Earth orbit and beyond.

75
00:03:30,509 --> 00:03:32,945
Meanwhile, their counterpart
Chris Hadfield worked

76
00:03:32,945 --> 00:03:35,981
on a variety of science
experiments.

77
00:03:35,981 --> 00:03:39,885
He worked on configurations
on an EXPRESS experiment rack

78
00:03:39,885 --> 00:03:43,022
and also worked on the
Binary Colloidal Alloy Test

79
00:03:43,022 --> 00:03:44,823
which studies nanoscale
particles

80
00:03:44,823 --> 00:03:48,394
and fluid commonly found in
paints, polishing compounds

81
00:03:48,394 --> 00:03:53,165
and food products that will
help with researchers studying

82
00:03:53,165 --> 00:03:55,134
that material science.

83
00:03:55,134 --> 00:03:59,138

He also worked on experiment
hardware and configurations,

84
00:03:59,138 --> 00:04:01,674
including work on the
Material Science Laboratory

85
00:04:01,674 --> 00:04:04,376
where he replaced some
of the sample cartridges,

86
00:04:04,376 --> 00:04:08,514
installed software on a European
space agency payload laptop

87
00:04:08,514 --> 00:04:13,118
and also conducted a locker swap
with the vehicle cabin assembly.

88
00:04:14,486 --> 00:04:17,222
Their fellow cosmonauts were
focused on Progress activities,

89
00:04:17,222 --> 00:04:19,958
including a leak check,
the ingress and the start

90
00:04:19,958 --> 00:04:22,061
of the unloading of the
near three tons of supplies

91
00:04:22,061 --> 00:04:24,363
and equipment that
arrived in the progress.