

037:09:46:26

2



1
00:00:02,320 --> 00:00:04,410
Good morning this is
mission control Houston.

2
00:00:04,410 --> 00:00:05,950
Welcome and thank
you for joining us

3
00:00:05,950 --> 00:00:11,020
for today's edition ISS Update
this Wednesday, February sixth.

4
00:00:11,020 --> 00:00:15,010
Before the Expedition 34
kicked-off its day overnight the

5
00:00:15,010 --> 00:00:17,800
Kibo robotic arm was
used to inspect several

6
00:00:17,800 --> 00:00:20,910
of the experiments on
the exposed facility

7
00:00:20,910 --> 00:00:22,110
on the front porch

8
00:00:22,110 --> 00:00:24,990
of the Japanese laboratory
before being deactivated

9
00:00:24,990 --> 00:00:26,400
for the day.

10
00:00:26,400 --> 00:00:27,940
The crew kicked-off
the day with the first

11
00:00:27,940 --> 00:00:29,740

of two daily planning
conferences

12

00:00:29,740 --> 00:00:31,730

with ground controllers
around the world

13

00:00:31,730 --> 00:00:35,230

to review today's activities and
plan for the next set of tasks.

14

00:00:35,230 --> 00:00:37,970

Station Commander Ford and
Flight Engineers Hadfield

15

00:00:37,970 --> 00:00:41,840

and Marshburn had participated
in a conference this morning

16

00:00:41,840 --> 00:00:45,320

to discuss upcoming cargo
operations for the arrival

17

00:00:45,320 --> 00:00:49,240

of the next SpaceX Dragon
resupply ship that is targeted

18

00:00:49,240 --> 00:00:52,990

for launch to the
station early next month.

19

00:00:52,990 --> 00:00:55,730

Commander Ford then began
to load new software

20

00:00:55,730 --> 00:01:00,220

to the computers at the science
experiment Express rack 3.

21

00:01:00,220 --> 00:01:02,750

Commander Ford also will spend some time performing some

22

00:01:02,750 --> 00:01:06,280

maintenance work to change out a recycle tank

23

00:01:06,280 --> 00:01:08,570

at the onboard water recovery system.

24

00:01:08,570 --> 00:01:10,740

The water recovery system recycles urine,

25

00:01:10,740 --> 00:01:14,040

sweat and condensation into drinkable water for the crew.

26

00:01:14,040 --> 00:01:17,940

Flight Engineer Hadfield continued this week's work

27

00:01:17,940 --> 00:01:21,940

within the microgravity science glovebox that is used

28

00:01:21,940 --> 00:01:24,780

for performing contained science experiments,

29

00:01:24,780 --> 00:01:27,320

conducting more test runs at the science experiment known

30

00:01:27,320 --> 00:01:32,230

as Inspace-3, this is an inside look at that experiment,

31

00:01:32,230 --> 00:01:36,180

that looks at the changes in
physical properties of colloids

32

00:01:36,180 --> 00:01:39,690

in fluids in response
to magnetic fields.

33

00:01:39,690 --> 00:01:43,360

The research has possible
technological application

34

00:01:43,360 --> 00:01:45,920

in structure design here
on Earth for structures

35

00:01:45,920 --> 00:01:48,320

such as bridges and buildings,

36

00:01:48,320 --> 00:01:51,680

to better withstand
earthquakes forces.

37

00:01:51,680 --> 00:01:54,420

Flight Engineer Marshburn
has been working this morning

38

00:01:54,420 --> 00:01:57,430

on the periodic inspection
and maintenance

39

00:01:57,430 --> 00:02:00,020

on the portable fire
extinguishers

40

00:02:00,020 --> 00:02:04,140

and portable breathing apparatus
and the extension hose T-kits.

41

00:02:04,140 --> 00:02:06,020

Meanwhile on the Russian

side of the house,

42

00:02:06,020 --> 00:02:09,400
Russian Flight Engineers Oleg
Novitskiy, Evgeny Tarelkin

43

00:02:09,400 --> 00:02:11,850
and Roman Romanenko
divided their day

44

00:02:11,850 --> 00:02:14,490
between hardware
inventory, maintenance

45

00:02:14,490 --> 00:02:18,350
and several science experiments,
including the BAR experiment,

46

00:02:18,350 --> 00:02:20,570
which looks at methods
and instruments

47

00:02:20,570 --> 00:02:22,210
for detecting the
location of a loss

48

00:02:22,210 --> 00:02:24,180
of pressure aboard the station,

49

00:02:24,180 --> 00:02:26,470
as well as the Matroyshka
experiment

50

00:02:26,470 --> 00:02:30,080
that studies the radiation dose
types and rates that relate

51

00:02:30,080 --> 00:02:33,870
to the health of crew members
on long-duration missions.

52

00:02:33,870 --> 00:02:36,490

Flight Engineer Novitskiy
also took photos as part

53

00:02:36,490 --> 00:02:39,850

of the Seiner study that
examines the oceans below,

54

00:02:39,850 --> 00:02:42,140

it documents their
characteristics

55

00:02:42,140 --> 00:02:47,250

and then correlates that info
to certain bioproductive areas