



TIME	STATUS	LOCATION	ALTITUDE	SPEED	HEADING	ACCELERATION	TEMPERATURE	PRESSURE	HUMIDITY
10:00:00	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:05	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:10	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:15	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:20	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:25	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:30	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:35	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:40	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:45	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:50	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:00:55	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50
10:01:00	OK	100 DL, 1 LOG	35000	2800	090	0.0	20	1013	50



1  
00:00:01,380 --> 00:00:02,740  
Good morning and welcome

2  
00:00:02,740 --> 00:00:05,550  
to today's International  
Space Station update,

3  
00:00:05,550 --> 00:00:07,950  
Joining us here us here  
in mission control Houston

4  
00:00:07,950 --> 00:00:11,320  
at the Johnson space Center in  
Houston, Texas right now looking

5  
00:00:11,320 --> 00:00:13,960  
down as the orbit two team  
is manning all these various

6  
00:00:13,960 --> 00:00:18,650  
consoles monitoring systems  
onboard the orbiting laboratory.

7  
00:00:18,650 --> 00:00:20,180  
Today's team being led today

8  
00:00:20,180 --> 00:00:22,830  
by flight director Matt Abbott  
just walking back into the room

9  
00:00:22,830 --> 00:00:25,940  
as the station's currently  
out of voice communication,

10  
00:00:25,940 --> 00:00:28,160  
as we wait for the  
satellites to handover.

11  
00:00:28,160 --> 00:00:31,160

Yo can see Matt taken a seat there, right next to him

12

00:00:31,160 --> 00:00:33,710  
at the capcom position serving as the communication link

13

00:00:33,710 --> 00:00:35,620  
between all of these flight controllers on our astronauts

14

00:00:35,620 --> 00:00:38,500  
in space is NASA astronaut Clay Anderson.

15

00:00:38,500 --> 00:00:41,480  
This will be Clay's last shift as Capcom here

16

00:00:41,480 --> 00:00:44,410  
in mission control, as he is preparing to retire

17

00:00:44,410 --> 00:00:45,900  
from a very successful career

18

00:00:45,900 --> 00:00:48,580  
as a NASA astronaut here in Houston.

19

00:00:48,580 --> 00:00:53,140  
So all with this last capcom, we wish him all the best.

20

00:00:53,140 --> 00:00:57,090  
Meanwhile up and in space, we have our crew of Expedition 34,

21

00:00:57,090 --> 00:00:58,810  
a six man rotation currently led

22

00:00:58,810 --> 00:01:01,080  
by NASA astronaut Kevin  
Ford there in the front row

23

00:01:01,080 --> 00:01:04,560  
on the left, and joining him  
are three Russian cosmonauts,

24

00:01:04,560 --> 00:01:07,470  
starting across the top  
row we have Oleg Novitskiy,

25

00:01:07,470 --> 00:01:09,990  
Evgeny Tarelkin and  
Roman Romanenko.

26

00:01:09,990 --> 00:01:12,240  
All the way on the right there  
you see another NASA astronaut

27

00:01:12,240 --> 00:01:12,990  
Tom Marshburn.

28

00:01:12,990 --> 00:01:15,640  
Our sixth crew member, there  
on the front row as well,

29

00:01:15,640 --> 00:01:18,580  
Canadian astronaut  
Chris Hadfield.

30

00:01:18,580 --> 00:01:22,270  
Busy day for astronauts on board  
the station today, starting off

31

00:01:22,270 --> 00:01:25,400  
with Commander Kevin Ford,  
who spent a couple hours

32

00:01:25,400 --> 00:01:26,260

as morning setting

33

00:01:26,260 --> 00:01:30,250

up the station's robotic  
crew member, Robonaut2.

34

00:01:30,250 --> 00:01:33,780

Robonaut, the first ever  
humanoid robot to travel

35

00:01:33,780 --> 00:01:38,240

into space and right now has  
been going through a series

36

00:01:38,240 --> 00:01:42,380

of checkouts over the past  
year or so, to stay prepared

37

00:01:42,380 --> 00:01:45,370

to assign more and more  
tasks to Robonaut as a kind

38

00:01:45,370 --> 00:01:50,640

of human assistant,  
Robonaut up there in space.

39

00:01:50,640 --> 00:01:52,620

Here you can see a  
little earlier today,

40

00:01:52,620 --> 00:01:54,360

Commander Ford unpacking  
Robonaut

41

00:01:54,360 --> 00:01:59,010

from his resting area inside

42

00:01:59,010 --> 00:02:01,570

of the Destiny laboratory  
before he was moved

43

00:02:01,570 --> 00:02:04,940

through a couple tasks by  
controllers in Huntsville.

44

00:02:04,940 --> 00:02:07,780

Aside from all of  
this Robonaut activity

45

00:02:07,780 --> 00:02:10,580

which we will have more  
video of a little later,

46

00:02:10,580 --> 00:02:13,280

Commander Ford was  
working on the

47

00:02:13,280 --> 00:02:16,010

on the integrated cardiovascular  
experiment setting

48

00:02:16,010 --> 00:02:19,310

up a monitoring system on his  
own person as they continue

49

00:02:19,310 --> 00:02:23,050

to track any changes  
in the heart muscle

50

00:02:23,050 --> 00:02:25,330

of these astronauts during  
long-duration exposure

51

00:02:25,330 --> 00:02:26,700

to microgravity.

52

00:02:26,700 --> 00:02:27,610

Also doing a little bit

53

00:02:27,610 --> 00:02:31,180  
of maintenance activities today  
cleaning out the bacteria filter

54

00:02:31,180 --> 00:02:35,440  
and replacing it inside  
the destiny laboratory.

55

00:02:35,440 --> 00:02:38,800  
Moving on, Russian cosmonaut  
Oleg Novitskiy was inside

56

00:02:38,800 --> 00:02:41,510  
of the service module continuing  
some work that was going

57

00:02:41,510 --> 00:02:45,410  
on since the last week, doing  
some minor repairs to some

58

00:02:45,410 --> 00:02:48,040  
of the interior panels  
inside that module.

59

00:02:48,040 --> 00:02:49,720  
Aside from that, he  
was transferring some

60

00:02:49,720 --> 00:02:52,240  
of the urine waste from  
the station's tanks

61

00:02:52,240 --> 00:02:53,640  
over to what is known

62

00:02:53,640 --> 00:02:56,730  
as the rodnick tank inside  
the 48 progress vehicle.

63

00:02:56,730 --> 00:02:59,300

It is one of the unmanned cargo craft, currently two

64

00:02:59,300 --> 00:03:01,870

of those docked right now to the station.

65

00:03:01,870 --> 00:03:04,240

One of his other major activities

66

00:03:04,240 --> 00:03:06,960

for the day was the Russian bar experiment,

67

00:03:06,960 --> 00:03:09,180

which looks to study various means

68

00:03:09,180 --> 00:03:11,530

for detecting any depressurization inside

69

00:03:11,530 --> 00:03:13,210

of the station structure.

70

00:03:13,210 --> 00:03:17,300

He was assisted in that today by Evgeny Tarelkin another

71

00:03:17,300 --> 00:03:20,270

of our Russian cosmonauts currently onboard.

72

00:03:20,270 --> 00:03:21,660

Tarelkin started his day off

73

00:03:21,660 --> 00:03:23,490

with the Russian  
sprut experiment,

74

00:03:23,490 --> 00:03:25,090

which is an ongoing  
investigation

75

00:03:25,090 --> 00:03:28,340

of various fluid  
distribution inside

76

00:03:28,340 --> 00:03:29,730

of these astronauts bodies,

77

00:03:29,730 --> 00:03:32,460

again due to that  
microgravity environment.

78

00:03:32,460 --> 00:03:34,730

Aside from that, he will be  
taking some microbial air

79

00:03:34,730 --> 00:03:37,190

samples throughout  
the Russian segment.

80

00:03:37,190 --> 00:03:42,630

Our third Russian cosmonaut  
Roman Romanenko was busy,

81

00:03:42,630 --> 00:03:46,320

transitioning out the station  
computer network inside the

82

00:03:46,320 --> 00:03:49,420

Russian service module  
for backup configuration

83

00:03:49,420 --> 00:03:52,300

and performing the

seiner ocean observations.

84

00:03:52,300 --> 00:03:56,540

Those are an ongoing search  
for bioproductive water areas

85

00:03:56,540 --> 00:03:59,150

that are then used by  
researchers down here

86

00:03:59,150 --> 00:04:01,460

on the ground for  
scientific searches also

87

00:04:01,460 --> 00:04:02,930

fishing operations.

88

00:04:02,930 --> 00:04:06,600

He was also inside one of the  
progress vehicles, over in 49P,

89

00:04:06,600 --> 00:04:09,160

filling up that rodnick tank.

90

00:04:09,160 --> 00:04:13,010

Meanwhile Canadian Chris  
Hadfield was gathering up a lot

91

00:04:13,010 --> 00:04:16,290

of tools and items he will be  
needing for an upcoming water

92

00:04:16,290 --> 00:04:20,150

on off valve installation inside  
of the European Columbus module,

93

00:04:20,150 --> 00:04:23,210

he is also working on the  
potable water dispenser

94

00:04:23,210 --> 00:04:25,270

in the U.S. segment,  
cleaning that out

95

00:04:25,270 --> 00:04:28,240

and then just a little earlier  
this morning, he got a chance

96

00:04:28,240 --> 00:04:31,390

to speak some students the  
school named after him,

97

00:04:31,390 --> 00:04:34,310

in his hometown of  
Ontario, Canada.

98

00:04:34,310 --> 00:04:38,080

Our sixth crew member  
Tom Marshburn started

99

00:04:38,080 --> 00:04:40,090

of his day doing a  
vision test as part

100

00:04:40,090 --> 00:04:41,780

of the health maintenance  
system.

101

00:04:41,780 --> 00:04:45,460

Also inside of the regenerative  
environmental control

102

00:04:45,460 --> 00:04:48,720

and life support system with the  
close system onboard the station

103

00:04:48,720 --> 00:04:52,780

today, transitioning over some  
of the software over that helps

104  
00:04:52,780 --> 00:04:55,310  
to control the urine  
processor assembly.

105  
00:04:55,310 --> 00:04:57,640  
He will also be cleaning  
out some of the fans

106  
00:04:57,640 --> 00:05:02,090  
in the Destiny laboratory's  
inter module ventilation.

107  
00:05:02,090 --> 00:05:04,590  
Aside from all these  
crew activities today,

108  
00:05:04,590 --> 00:05:07,510  
last night a reboost the  
station was conducted.

109  
00:05:07,510 --> 00:05:10,250  
That happening at about  
8:15 p.m. central time,

110  
00:05:10,250 --> 00:05:14,340  
it was a three and three-quarter  
minute firing of the thrusters

111  
00:05:14,340 --> 00:05:16,400  
on the Progress 49,  
which you could see their

112  
00:05:16,400 --> 00:05:19,730  
at the very aft end of the  
station, attached to Zvezda.

113  
00:05:19,730 --> 00:05:23,750  
This was done in order to  
raise the station's lower orbit

114

00:05:23,750 --> 00:05:25,850

by about one statute  
mile in preparation

115

00:05:25,850 --> 00:05:28,440

for the upcoming single  
day launch and docking

116

00:05:28,440 --> 00:05:32,000

of the next Progress  
resupply ship, Progress 50.

117

00:05:32,000 --> 00:05:34,960

And then the final activity

118

00:05:34,960 --> 00:05:36,990

of mention today will  
be the resumption

119

00:05:36,990 --> 00:05:40,110

of robotics refueling  
mission work with the Dextere,

120

00:05:40,110 --> 00:05:43,020

special purpose dexterous  
manipulator

121

00:05:43,020 --> 00:05:44,600

that will resume  
later this morning