

0:08:25  
COUNT UP

1000

OPEN

CLOSE  
VALVE 2

OPEN

CLOSE  
VALVE 1

1  
00:00:05,749 --> 00:00:04,309  
good morning this is mission control

2  
00:00:07,990 --> 00:00:05,759  
houston welcome and thank you for

3  
00:00:11,589 --> 00:00:08,000  
joining us for today's edition of iss

4  
00:00:13,669 --> 00:00:11,599  
update this tuesday february 5th

5  
00:00:15,030 --> 00:00:13,679  
the expedition 34 crew members began

6  
00:00:17,269 --> 00:00:15,040  
their day with some time this morning

7  
00:00:20,230 --> 00:00:17,279  
for work prep breakfast morning hygiene

8  
00:00:21,750 --> 00:00:20,240  
and a daily station inspection

9  
00:00:23,029 --> 00:00:21,760  
the crew then kicked off the day with

10  
00:00:24,550 --> 00:00:23,039  
the first of two daily planning

11  
00:00:26,950 --> 00:00:24,560  
conferences with ground controllers

12  
00:00:28,830 --> 00:00:26,960  
around the world to review the day's

13  
00:00:31,830 --> 00:00:28,840

activities and plan for the next set of

14

00:00:33,990 --> 00:00:31,840

tasks today commander ford is spending

15

00:00:36,389 --> 00:00:34,000

much of the day working in the destiny

16

00:00:38,790 --> 00:00:36,399

lab reconfiguring cables of the joint

17

00:00:41,510 --> 00:00:38,800

station local area network

18

00:00:44,150 --> 00:00:41,520

and this work is to prepare it for ku

19

00:00:46,389 --> 00:00:44,160

communication unit installation

20

00:00:47,910 --> 00:00:46,399

meanwhile the expedition 34 crew

21

00:00:50,150 --> 00:00:47,920

continued work with a variety of

22

00:00:52,470 --> 00:00:50,160

biomedical experiments today the crew

23

00:00:54,310 --> 00:00:52,480

also wrapped up work to replace that

24

00:00:57,350 --> 00:00:54,320

waste and hygiene compartment urine

25

00:00:59,349 --> 00:00:57,360

receptacle and also insert a filter

26  
00:01:02,069 --> 00:00:59,359  
flight engineer tom marshburn had set up

27  
00:01:05,750 --> 00:01:02,079  
for and performed several fluid test

28  
00:01:08,070 --> 00:01:05,760  
runs for the capillary flow experiment

29  
00:01:10,550 --> 00:01:08,080  
that takes a close look at how fluids

30  
00:01:13,270 --> 00:01:10,560  
move up surfaces in a weightless

31  
00:01:15,749 --> 00:01:13,280  
environment results from this experiment

32  
00:01:18,149 --> 00:01:15,759  
will improve computer models used to

33  
00:01:20,870 --> 00:01:18,159  
design fluid transfer systems and fuel

34  
00:01:22,630 --> 00:01:20,880  
tanks on future spacecraft

35  
00:01:24,630 --> 00:01:22,640  
marshburn also took some time out this

36  
00:01:26,870 --> 00:01:24,640  
morning to talk with students at the

37  
00:01:29,030 --> 00:01:26,880  
north carolina museum of natural

38  
00:01:31,030 --> 00:01:29,040

sciences of raleigh north carolina

39

00:01:33,350 --> 00:01:31,040

answered questions like how the crew

40

00:01:35,190 --> 00:01:33,360

prepares for medical emergencies and how

41

00:01:38,149 --> 00:01:35,200

the crew keeps track of their days with

42

00:01:41,590 --> 00:01:38,159

16 sunsets and sunrises

43

00:01:43,830 --> 00:01:41,600

aboard the international space station

44

00:01:45,429 --> 00:01:43,840

later marshburn also assisted flight

45

00:01:47,109 --> 00:01:45,439

engineer chris hadfield with an

46

00:01:49,830 --> 00:01:47,119

education payload operations

47

00:01:52,310 --> 00:01:49,840

demonstration known as space sports

48

00:01:55,429 --> 00:01:52,320

hadfield demonstrated three segments of

49

00:01:57,749 --> 00:01:55,439

space sports activity this morning

50

00:01:59,830 --> 00:01:57,759

hadfield then spent some time to inspect

51  
00:02:02,149 --> 00:01:59,840  
and activate the microgravity science

52  
00:02:03,270 --> 00:02:02,159  
glove box that is used for performing

53  
00:02:05,670 --> 00:02:03,280  
contained

54  
00:02:07,350 --> 00:02:05,680  
science experiments hadfield then spent

55  
00:02:10,710 --> 00:02:07,360  
some time working with a science

56  
00:02:12,390 --> 00:02:10,720  
experiment known as in space 3

57  
00:02:13,910 --> 00:02:12,400  
in space 3 looks at the changes of

58  
00:02:16,229 --> 00:02:13,920  
physical properties

59  
00:02:18,309 --> 00:02:16,239  
of colloids and fluids in response to

60  
00:02:20,390 --> 00:02:18,319  
magnetic fields the research has

61  
00:02:22,470 --> 00:02:20,400  
possible technological application and

62  
00:02:24,630 --> 00:02:22,480  
structure design here on earth

63  
00:02:27,830 --> 00:02:24,640

structures such as bridges and buildings

64

00:02:29,350 --> 00:02:27,840

to better withstand earthquake forces

65

00:02:30,949 --> 00:02:29,360

and meanwhile on the russian side of the

66

00:02:33,430 --> 00:02:30,959

house russian flight engineers oleg

67

00:02:35,830 --> 00:02:33,440

novitskiy evgeny tarakin and roman

68

00:02:37,750 --> 00:02:35,840

romanenko divide their day between

69

00:02:39,430 --> 00:02:37,760

hardware inventory maintenance and

70

00:02:41,430 --> 00:02:39,440

several science experiments including

71

00:02:43,430 --> 00:02:41,440

the bar experiment which looks at

72

00:02:45,830 --> 00:02:43,440

methods and instruments for detecting

73

00:02:47,589 --> 00:02:45,840

the location of a loss of pressure

74

00:02:49,270 --> 00:02:47,599

aboard the station

75

00:02:51,190 --> 00:02:49,280

each of the crew members will then put

76  
00:02:53,270 --> 00:02:51,200  
in their daily two hours of exercise

77  
00:02:55,670 --> 00:02:53,280  
using the onboard gym equipment which

78  
00:02:57,910 --> 00:02:55,680  
includes a station bicycle

79  
00:02:59,750 --> 00:02:57,920  
a treadmill and an advanced resistive

80  
00:03:01,589 --> 00:02:59,760  
exercise device that simulates weight

81  
00:03:03,190 --> 00:03:01,599  
lifting here on earth

82  
00:03:04,949 --> 00:03:03,200  
the crew will then wrap up the day with

83  
00:03:06,149 --> 00:03:04,959  
a final daily planning conference with

84  
00:03:08,070 --> 00:03:06,159  
the ground

85  
00:03:10,390 --> 00:03:08,080  
expedition 34 crew members are then

86  
00:03:12,070 --> 00:03:10,400  
scheduled to go to bed at 3 30 pm