



1
00:00:05,910 --> 00:00:03,830
this is mission control houston the

2
00:00:08,710 --> 00:00:05,920
international space station's expedition

3
00:00:10,790 --> 00:00:08,720
34 crew members showed progress on a

4
00:00:13,190 --> 00:00:10,800
range of science investigations on

5
00:00:15,350 --> 00:00:13,200
tuesday while also pressing ahead with

6
00:00:17,750 --> 00:00:15,360
preparations for saturday's planned

7
00:00:20,150 --> 00:00:17,760
arrival of a new shipment of supplies on

8
00:00:21,830 --> 00:00:20,160
an unmanned cargo craft

9
00:00:24,310 --> 00:00:21,840
commander kevin ford started the day

10
00:00:26,710 --> 00:00:24,320
with the health status questionnaire

11
00:00:28,630 --> 00:00:26,720
that's just part of an ongoing effort

12
00:00:30,950 --> 00:00:28,640
for all of the crew members to gather

13
00:00:33,990 --> 00:00:30,960

information about how human bodies

14

00:00:36,630 --> 00:00:34,000

respond to being in a zero-g environment

15

00:00:39,590 --> 00:00:36,640

for an extended period of time

16

00:00:41,830 --> 00:00:39,600

ford then moved on to loading software

17

00:00:44,229 --> 00:00:41,840

on a laptop computer in the columbus

18

00:00:46,709 --> 00:00:44,239

module for operations scheduled on

19

00:00:48,549 --> 00:00:46,719

wednesday with the cruise experiment

20

00:00:51,350 --> 00:00:48,559

that's a european space agency

21

00:00:54,229 --> 00:00:51,360

investigation into ways to improve crew

22

00:00:56,709 --> 00:00:54,239

efficiency and autonomy and it includes

23

00:00:59,270 --> 00:00:56,719

experimenting with voice commanding of

24

00:01:01,270 --> 00:00:59,280

the procedures interface

25

00:01:04,310 --> 00:01:01,280

flight engineer chris hadfield gathered

26
00:01:06,550 --> 00:01:04,320
more hardware today for later operations

27
00:01:09,270 --> 00:01:06,560
with an experiment known as coarsening

28
00:01:11,990 --> 00:01:09,280
in solid liquid mixture the raw

29
00:01:14,870 --> 00:01:12,000
materials for that experiment are being

30
00:01:16,789 --> 00:01:14,880
delivered on the dragon cargo ship

31
00:01:18,710 --> 00:01:16,799
later he installed and checked out the

32
00:01:21,510 --> 00:01:18,720
centerline birthing camera in the

33
00:01:23,590 --> 00:01:21,520
harmony nader hatch window that will

34
00:01:27,749 --> 00:01:23,600
support the birthing of the dragon on

35
00:01:29,830 --> 00:01:27,759
saturday after its grapple by canadarm2

36
00:01:32,310 --> 00:01:29,840
flight engineer tom marshburn spent his

37
00:01:35,749 --> 00:01:32,320
morning supporting the spears vertigo

38
00:01:38,870 --> 00:01:35,759

experiment that's an mit space systems

39

00:01:42,069 --> 00:01:38,880

laboratory investigation employing some

40

00:01:45,429 --> 00:01:42,079

of the bowling ball sized satellites to

41

00:01:47,749 --> 00:01:45,439

create a 3d model of another object the

42

00:01:50,149 --> 00:01:47,759

intent in this experiment is that the

43

00:01:53,350 --> 00:01:50,159

model created by the satellites could

44

00:01:55,429 --> 00:01:53,360

then be used to inform the free flyers

45

00:01:57,350 --> 00:01:55,439

autonomous navigation that they could

46

00:01:59,830 --> 00:01:57,360

look at what was out there create a

47

00:02:02,870 --> 00:01:59,840

model and be able to use it right away

48

00:02:04,149 --> 00:02:02,880

in order to fly without impacting other

49

00:02:05,670 --> 00:02:04,159

objects

50

00:02:07,670 --> 00:02:05,680

on the russian side of the station

51
00:02:08,389 --> 00:02:07,680
flight engineer oleg novitskiy spent

52
00:02:11,190 --> 00:02:08,399
time

53
00:02:13,270 --> 00:02:11,200
today on a russian tv documentary about

54
00:02:15,430 --> 00:02:13,280
life on board the station

55
00:02:18,390 --> 00:02:15,440
and he was then joined by flight

56
00:02:20,949 --> 00:02:18,400
engineers evgeny tarelkin and roman

57
00:02:22,470 --> 00:02:20,959
romanenko for a russian public affairs

58
00:02:24,790 --> 00:02:22,480
event this morning

59
00:02:27,350 --> 00:02:24,800
all three of the russian crew members

60
00:02:30,229 --> 00:02:27,360
moved on to routine station maintenance

61
00:02:31,910 --> 00:02:30,239
tasks throughout their tuesday afternoon

62
00:02:34,550 --> 00:02:31,920
on orbit

63
00:02:36,710 --> 00:02:34,560

after exercise and lunch on tuesday

64

00:02:39,910 --> 00:02:36,720

commander kevin ford moved to complete

65

00:02:42,869 --> 00:02:39,920

the change out of a gearbox in the amine

66

00:02:45,350 --> 00:02:42,879

swingbed that's a nasa investigation

67

00:02:47,830 --> 00:02:45,360

into whether a vacuum-regenerated immune

68

00:02:50,309 --> 00:02:47,840

system can be an efficient and reliable

69

00:02:52,390 --> 00:02:50,319

way to remove carbon dioxide from the

70

00:02:54,470 --> 00:02:52,400

environment of a space vehicle

71

00:02:57,030 --> 00:02:54,480

near the end of his work day ford will

72

00:02:59,670 --> 00:02:57,040

join flight engineers chris hadfield and

73

00:03:01,589 --> 00:02:59,680

tom marshburn for an educational event

74

00:03:04,949 --> 00:03:01,599

talking to students gathered at the

75

00:03:07,750 --> 00:03:04,959

metropolitan arts institute in phoenix

76

00:03:10,070 --> 00:03:07,760

the expedition 34 crew has a schedule

77

00:03:12,229 --> 00:03:10,080

full of science work this week as they

78

00:03:15,110 --> 00:03:12,239

continue preparations for the arrival of

79

00:03:18,390 --> 00:03:15,120

a new cargo ship on saturday morning

80

00:03:20,630 --> 00:03:18,400

it'll be delivering 1200 pounds of cargo

81

00:03:22,790 --> 00:03:20,640

including more experiment supplies as

82

00:03:24,229 --> 00:03:22,800

well as crew provisions to fuel the