



1  
00:00:07,190 --> 00:00:04,130  
this is Mission Control Houston less

2  
00:00:09,200 --> 00:00:07,200  
than two weeks into expedition 34 at the

3  
00:00:10,820 --> 00:00:09,210  
International Space Station and a crew

4  
00:00:13,160 --> 00:00:10,830  
members spent part of Thursday

5  
00:00:15,440 --> 00:00:13,170  
practicing how to get off of the vehicle

6  
00:00:17,029 --> 00:00:15,450  
in an emergency but they spent the rest

7  
00:00:19,839 --> 00:00:17,039  
of their day pursuing the science

8  
00:00:23,300 --> 00:00:19,849  
investigations in this unique laboratory

9  
00:00:25,700 --> 00:00:23,310  
environment commander Kevin Ford flight

10  
00:00:28,249 --> 00:00:25,710  
engineers Oleg novitskiy and Evgeny

11  
00:00:30,559 --> 00:00:28,259  
tarelkin kicked off their day with some

12  
00:00:34,009 --> 00:00:30,569  
of their routine exercise sessions as

13  
00:00:37,310 --> 00:00:34,019

well as science work for Ford he set up

14

00:00:39,130 --> 00:00:37,320

and activated the in-space experiment in

15

00:00:41,930 --> 00:00:39,140

the microgravity Sciences glovebox

16

00:00:44,299 --> 00:00:41,940

that's an investigation looking into the

17

00:00:47,840 --> 00:00:44,309

behavior of fluids that contain

18

00:00:49,939 --> 00:00:47,850

ellipsoid shaped particles that don't

19

00:00:53,000 --> 00:00:49,949

find out how the fluid behaves when it's

20

00:00:56,509 --> 00:00:53,010

exposed to a magnetic field these fluids

21

00:00:59,180 --> 00:00:56,519

can transition into a solid like state

22

00:01:00,860 --> 00:00:59,190

by the reformation of the colloid when

23

00:01:04,340 --> 00:01:00,870

they are under this magnetic influence

24

00:01:07,130 --> 00:01:04,350

and scientists are looking into how the

25

00:01:09,590 --> 00:01:07,140

fluids behave with an eye toward using

26  
00:01:10,990 --> 00:01:09,600  
them in vibration damping systems that

27  
00:01:14,510 --> 00:01:11,000  
would help buildings or bridges

28  
00:01:16,789 --> 00:01:14,520  
withstand forces like earthquakes early

29  
00:01:18,830 --> 00:01:16,799  
in the day Nowitzki downlink data from

30  
00:01:20,780 --> 00:01:18,840  
several Russian experiments to the

31  
00:01:23,539 --> 00:01:20,790  
Mission Control Center outside Moscow

32  
00:01:25,819 --> 00:01:23,549  
while Tyrell Kentucky a lee maintenance

33  
00:01:28,639 --> 00:01:25,829  
of systems onboard the russian side of

34  
00:01:30,649 --> 00:01:28,649  
the station after the crew members had

35  
00:01:34,010 --> 00:01:30,659  
lunch all three of them spent a little

36  
00:01:36,289 --> 00:01:34,020  
over 90 minutes in a Soyuz emergency

37  
00:01:38,990 --> 00:01:36,299  
descent drills they were running through

38  
00:01:42,200 --> 00:01:39,000

their responses to to emergency

39

00:01:44,660 --> 00:01:42,210  
situations but first a possible fire

40

00:01:47,929 --> 00:01:44,670  
onboard and then they simulated their

41

00:01:50,359 --> 00:01:47,939  
response to a potential leak on board in

42

00:01:52,849 --> 00:01:50,369  
which they had to move back through the

43

00:01:54,770 --> 00:01:52,859  
station closing some hatches to isolate

44

00:01:57,620 --> 00:01:54,780  
modules to see whether or not they had

45

00:01:59,959 --> 00:01:57,630  
could find the leak as they did so they

46

00:02:03,260 --> 00:01:59,969  
were moving back toward here toward the

47

00:02:05,090 --> 00:02:03,270  
Soyuz vehicle which is of course not

48

00:02:09,200 --> 00:02:05,100  
only the crew members way to get to the

49

00:02:11,060 --> 00:02:09,210  
station but it also serves as their way

50

00:02:13,300 --> 00:02:11,070  
to get off of the station be it in an

51  
00:02:16,960 --> 00:02:13,310  
emergency or at the routine

52  
00:02:20,199 --> 00:02:16,970  
end of their mission after the two

53  
00:02:22,150 --> 00:02:20,209  
emergencies and uh scenarios were worked

54  
00:02:24,449 --> 00:02:22,160  
through the crew members wrapped up

55  
00:02:26,890 --> 00:02:24,459  
their afternoon with daily exercise and

56  
00:02:29,650 --> 00:02:26,900  
tended to some ongoing science

57  
00:02:32,259 --> 00:02:29,660  
investigations on Friday novitskiy and

58  
00:02:34,259 --> 00:02:32,269  
tarelkin are expected to continue their

59  
00:02:37,330 --> 00:02:34,269  
focus on Russian science operations

60  
00:02:39,880 --> 00:02:37,340  
Kevin Ford has another set of runs with

61  
00:02:41,380 --> 00:02:39,890  
the in-space experiment as well as some

62  
00:02:44,650 --> 00:02:41,390  
maintenance on the station's water

63  
00:02:47,440 --> 00:02:44,660

processor assembly he'll also assist the

64

00:02:49,809 --> 00:02:47,450

ground with a base change of the space

65

00:02:51,699 --> 00:02:49,819

stations at Canada arm too and we'll