



1
00:00:03,069 --> 00:00:06,305
Good day and welcome to Mission
Control Houston where the team

2
00:00:06,305 --> 00:00:07,907
of flight controllers
is watching

3
00:00:07,907 --> 00:00:11,310
over systems aboard the
International Space Station

4
00:00:11,310 --> 00:00:16,315
as it continues to circle the
globe 17,500 miles an hour.

5
00:00:16,315 --> 00:00:19,585
Onboard the space station
the Expedition 34 commanded

6
00:00:19,585 --> 00:00:22,321
by NASA astronaut
Kevin Ford along

7
00:00:22,321 --> 00:00:25,825
with his two Russian cosmonaut
colleagues Oleg Novitskiy

8
00:00:25,825 --> 00:00:29,929
and Evgeny Tarelkin are
continuing their work today.

9
00:00:29,929 --> 00:00:33,999
Kevin Ford is working on a
number of different activities

10
00:00:33,999 --> 00:00:35,134
on this very busy day.

11

00:00:35,134 --> 00:00:39,505

He's unpacking medical
supplies delivered

12

00:00:39,505 --> 00:00:43,109

on the most recent
Progress 49 spacecraft.

13

00:00:43,109 --> 00:00:45,744

He's also going to be getting
into some work cleaning

14

00:00:45,744 --> 00:00:47,346

up the crew quarters
that will be used

15

00:00:47,346 --> 00:00:49,782

by Chris Hadfield
once he's arrived.

16

00:00:49,782 --> 00:00:52,852

That's a several hour
activity to make sure

17

00:00:52,852 --> 00:00:55,888

that everything is spic and
span and the team on the ground

18

00:00:55,888 --> 00:00:57,923

and on orbit likes to
try and clean those

19

00:00:57,923 --> 00:01:01,827

out when they are vacant and
make them all spic and span

20

00:01:01,827 --> 00:01:05,464

and ready for the newly
arriving crew members.

21

00:01:05,464 --> 00:01:08,033

Novitskiy did some updates on the software

22

00:01:08,033 --> 00:01:10,202

of the Russian computers and also worked

23

00:01:10,202 --> 00:01:12,371

on the Coulomb Crystal experiment

24

00:01:12,371 --> 00:01:16,442

which is studying the dynamics of solids that are dispersed

25

00:01:16,442 --> 00:01:20,779

in liquids using a magnetic field.

26

00:01:20,779 --> 00:01:23,816

Evgeny Tarelkin is checking the windows in the Russian segment

27

00:01:23,816 --> 00:01:26,552

to make sure they're all in good shape and that they'll be able

28

00:01:26,552 --> 00:01:29,722

to be used for monitoring of the arrival of the next spacecraft

29

00:01:29,722 --> 00:01:32,925

and to the space station which is the Soyuz which going

30

00:01:32,925 --> 00:01:37,596

to be launching the next crew coming up on Wednesday.

31

00:01:38,964 --> 00:01:43,035
That Soyuz spacecraft was rolled
out to the launch pad today.

32
00:01:43,035 --> 00:01:48,174
It's going to be delivering
NASA astronaut Tom Marshburn

33
00:01:48,174 --> 00:01:51,010
and Canadian astronaut
Chris Hadfield

34
00:01:51,010 --> 00:01:53,479
who later will become the
first Canadian commander

35
00:01:53,479 --> 00:01:55,514
of the International
Space Station

36
00:01:55,514 --> 00:01:57,917
and Russian cosmonaut
Roman Romanenko,

37
00:01:57,917 --> 00:02:04,623
who will be the commander of the
Soyuz spacecraft TMA-07M itself.

38
00:02:04,623 --> 00:02:07,326
It is a particularly frosty day

39
00:02:07,326 --> 00:02:11,197
out in Kazakhstan
today for the rollout.

40
00:02:11,197 --> 00:02:14,533
It is setting records
that were set in 1950

41
00:02:14,533 --> 00:02:18,671

or updating records set
in 1950 with some areas

42

00:02:18,671 --> 00:02:23,509
of Kazakhstan going down as
far as -43 degrees Fahrenheit.

43

00:02:23,509 --> 00:02:26,378
The temperature at
the launch pad

44

00:02:26,378 --> 00:02:31,350
in Baikonur Cosmodrome
was -25 Fahrenheit today,

45

00:02:31,350 --> 00:02:33,018
very dangerous temperatures

46

00:02:33,018 --> 00:02:37,022
for the teams preparing the
spacecraft but they are managing

47

00:02:37,022 --> 00:02:40,759
to complete that
work as planned.

48

00:02:40,759 --> 00:02:45,264
Just a rundown on the plan:
the spacecraft is scheduled

49

00:02:45,264 --> 00:02:49,301
to launch at 6:12
AM central time.

50

00:02:49,301 --> 00:02:51,370
Here we see some video
that was downlinked earlier

51

00:02:51,370 --> 00:02:52,705
of the preparations.

52

00:02:52,705 --> 00:02:56,242

This is the escape rocket system for the Soyuz spacecraft.

53

00:02:56,242 --> 00:03:01,413

And then on Friday, December 21 the trio is going

54

00:03:01,413 --> 00:03:05,451

to be docking their Soyuz to the space station's Rassvet module

55

00:03:05,451 --> 00:03:11,924

which is on the Russian segment about 8:12 AM central time.

56

00:03:11,924 --> 00:03:15,661

Wednesday's launch coverage begins at 5 AM central time

57

00:03:15,661 --> 00:03:17,696

with launch again scheduled for 6;

58

00:03:17,696 --> 00:03:20,499

2 AM and then we'll have a post launch video file

59

00:03:20,499 --> 00:03:22,201

at 9 AM central.

60

00:03:22,201 --> 00:03:25,271

On Friday we'll be getting ready for the docking coverage

61

00:03:25,271 --> 00:03:27,773

which begins at 7:30 AM central

62

00:03:27,773 --> 00:03:31,076
and then docking again
is planned at 8:12 AM

63

00:03:31,076 --> 00:03:34,847
and the hatch opening
coverage begins at 10:15 AM,

64

00:03:34,847 --> 00:03:39,151
followed by hatch opening and
welcome ceremonies at 10:45 AM,

65

00:03:39,151 --> 00:03:42,388
and then our post docking
video file at 1 PM.

66

00:03:42,388 --> 00:03:45,357
The International Space Station
mission management team met

67

00:03:45,357 --> 00:03:48,627
today to go over all of
the plans and preparations

68

00:03:48,627 --> 00:03:51,530
for launch and docking
and gave a unanimous "Go"

69

00:03:51,530 --> 00:03:54,833
for the rendezvous and
docking of the Soyuz

70

00:03:54,833 --> 00:03:56,969
with the International
Space Station to round

71

00:03:56,969 --> 00:03:59,872
out to the crew of six.

72

00:04:01,540 --> 00:04:04,777

Right now the International
Space Station is orbiting high

73

00:04:04,777 --> 00:04:07,146

above China on a
southeasterly course.

74

00:04:07,146 --> 00:04:08,714

All systems are working well