
РОССИЯ
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1
00:00:01,776 --> 00:00:03,886
Good morning this is
Mission Control Houston.

2
00:00:03,886 --> 00:00:06,256
Welcome and thank you for
joining us for today's edition

3
00:00:06,296 --> 00:00:09,336
of ISS Update this
Tuesday, November 27.

4
00:00:11,316 --> 00:00:13,846
Joining us now inside the
International Space Station

5
00:00:13,846 --> 00:00:17,156
Flight Control Room, where the
team here has been monitoring

6
00:00:17,156 --> 00:00:18,466
the systems aboard the station

7
00:00:18,526 --> 00:00:19,966
and supporting today's
activities

8
00:00:19,966 --> 00:00:22,166
of the Expedition
34 crew members,

9
00:00:24,106 --> 00:00:25,876
leading the Orbit Two team here

10
00:00:25,876 --> 00:00:29,556
in the Station Flight Control
Room today is Flight Director

11
00:00:29,556 --> 00:00:32,336

Tomas Gonzales-Torres
and next to him serving

12
00:00:32,336 --> 00:00:34,666
as Capcom is Leslie Ringo

13
00:00:34,716 --> 00:00:39,526
who has been relaying all
ground messages up to the crew.

14
00:00:39,526 --> 00:00:41,716
Now aboard the International
Space Station is commander

15
00:00:41,716 --> 00:00:43,986
of the complex NASA
astronaut Kevin Ford

16
00:00:43,986 --> 00:00:46,936
with Flight Engineers Russian
cosmonauts Oleg Novitskiy

17
00:00:46,936 --> 00:00:50,096
and Evgeny Tarelkin who
will work aboard the station

18
00:00:50,146 --> 00:00:52,016
as a three-member
crew until the arrival

19
00:00:52,016 --> 00:00:54,686
of three new crew
members in a couple weeks.

20
00:00:55,256 --> 00:00:57,906
Ford, Novitskiy and
Tarelkin arrived

21
00:00:57,906 --> 00:01:00,866
at the International Space

Station docking their Soyuz

22
00:01:00,866 --> 00:01:05,166
TMA-06M, shown here in
this view, their spacecraft

23
00:01:05,166 --> 00:01:08,456
to the Poisk module last
month on October 25.

24
00:01:11,436 --> 00:01:14,506
And today they complete
36 days in space.

25
00:01:14,826 --> 00:01:20,856
The space station with its crew
aboard is flying at an altitude

26
00:01:21,716 --> 00:01:24,456
of a little more than
260 statute miles.

27
00:01:24,716 --> 00:01:28,546
The orbiting facility is on an
east-northeast track swinging

28
00:01:28,546 --> 00:01:31,266
across the southern ocean
just below the southern tip

29
00:01:31,266 --> 00:01:35,246
of Africa soon to come
across an orbital sunset.

30
00:01:41,726 --> 00:01:44,066
The Expedition 34 crew
members began their day

31
00:01:44,066 --> 00:01:46,786
with some time this morning

for work prep, breakfast,

32
00:01:47,356 --> 00:01:49,816
morning hygiene and a
daily station inspection.

33
00:01:50,126 --> 00:01:52,436
The crew then kicked off
the day with the first

34
00:01:52,436 --> 00:01:54,246
of two daily planning
conferences

35
00:01:54,246 --> 00:01:56,436
with ground controllers
around the world

36
00:01:56,436 --> 00:01:58,576
to review the day's
activities and plan

37
00:01:58,576 --> 00:02:02,186
for the next set of tasks.

38
00:02:02,186 --> 00:02:05,756
Earlier this morning Commander
Ford had activated the InSpace

39
00:02:05,756 --> 00:02:08,006
hardware for a science run

40
00:02:08,006 --> 00:02:11,106
of the InSpace-3
investigating the structure

41
00:02:11,106 --> 00:02:14,616
of paramagnetic aggregates
from colloidal emulsions.

42
00:02:14,716 --> 00:02:17,506
This is a microgravity
fluid physics experiment.

43
00:02:18,546 --> 00:02:21,456
Data from these studies
may be used to improve

44
00:02:21,456 --> 00:02:26,066
or develop new brake systems,
seat suspensions, robotics,

45
00:02:26,416 --> 00:02:30,716
clutches, airplane landing gear
and vibration damping systems.

46
00:02:33,946 --> 00:02:36,236
Commander Ford and
Flight Engineers Novitskiy

47
00:02:36,236 --> 00:02:37,516
and Tarelkin participated

48
00:02:37,516 --> 00:02:40,256
in an emergency medical
procedures review.

49
00:02:41,616 --> 00:02:44,606
Ford also reviewed procedures
for new upcoming data takes

50
00:02:44,646 --> 00:02:46,716
with the SPHERES experiment

51
00:02:46,966 --> 00:02:51,086
that employs three bowling ball
free-flying satellites known

52
00:02:51,086 --> 00:02:54,786

as Synchronized Position
Hold Engage Reorient

53
00:02:54,976 --> 00:02:56,856
Experimental Satellites.

54
00:02:57,026 --> 00:02:59,306
These are used to test
techniques that could lead

55
00:02:59,306 --> 00:03:03,126
to advancements in automated
dockings, satellite servicing,

56
00:03:03,266 --> 00:03:05,476
spacecraft assembly
and emergency repairs.

57
00:03:05,936 --> 00:03:11,376
And Commander Ford also took
time this morning to talk

58
00:03:11,376 --> 00:03:15,656
with reporters with WNDU-TV
of Indiana, his hometown,

59
00:03:16,066 --> 00:03:17,666
and the Notre Dame Observer.

60
00:03:19,886 --> 00:03:21,206
Meanwhile, on the Russian side

61
00:03:21,206 --> 00:03:23,076
of the house Flight
Engineers Novitskiy

62
00:03:23,076 --> 00:03:25,786
and Tarelkin will conduct
Russian segment maintenance work

63
00:03:25,786 --> 00:03:29,236
today cleaning air ducts
and vacuuming behind panels

64
00:03:29,236 --> 00:03:30,876
in the Zvezda service module.

65
00:03:31,306 --> 00:03:34,596
Novitskiy performed regular
daily maintenance to the Sozh,

66
00:03:34,646 --> 00:03:36,296
or the Russian life
support system.

67
00:03:38,086 --> 00:03:39,656
And each of the crew
members will put

68
00:03:39,656 --> 00:03:40,936
in their daily two hours

69
00:03:40,936 --> 00:03:44,116
of exercise using the
onboard gym equipment

70
00:03:44,116 --> 00:03:46,876
that includes the station
bicycle, a treadmill

71
00:03:47,316 --> 00:03:50,136
and an advanced resistive
exercise device

72
00:03:50,136 --> 00:03:52,236
that simulates weightlifting
here on Earth.

73
00:03:53,386 --> 00:03:55,146

The crew then will wrap the day

74
00:03:55,146 --> 00:03:57,506
with a final daily planning
conference with the ground

75
00:03:57,906 --> 00:04:05,566
and is then scheduled to go to
bed at 3:30 p.m. central time.

76
00:04:05,566 --> 00:04:07,266
Meanwhile, robotics officers

77
00:04:07,266 --> 00:04:10,686
in Mission Control are
commanding the Canadarm2

78
00:04:10,686 --> 00:04:14,076
to walk off from the
Mobile Base System power

79
00:04:14,456 --> 00:04:17,366
and data grapple fixture
to the Harmony power

80
00:04:17,366 --> 00:04:21,116
and data grapple fixture in
advance of a routine inspection

81
00:04:21,496 --> 00:04:24,766
of the space station robotic
arm latching end effector.

82
00:04:25,406 --> 00:04:30,776
Here now we're getting a
view of the, that activity.

83
00:04:30,776 --> 00:04:34,856
It was reported just moments ago
that the arm was in movement.

84
00:04:36,806 --> 00:04:39,226
And also back on Earth,
three more crew members are

85
00:04:39,226 --> 00:04:42,336
in Star City, Russia, preparing
for their launch next month

86
00:04:42,416 --> 00:04:44,356
to return the station
to a six-member crew.

87
00:04:44,686 --> 00:04:49,766
At the Gagarin Cosmonaut
Training Center Expedition 34/35

88
00:04:49,766 --> 00:04:54,216
prime crew members Roman
Romanenko, Tom Marshburn

89
00:04:54,306 --> 00:04:56,236
and Chris Hadfield along

90
00:04:56,236 --> 00:04:58,996
with their backups had
conducted the first of two days

91
00:04:58,996 --> 00:05:02,206
of Russian Soyuz and Russian
segment qualification exams

92
00:05:02,506 --> 00:05:04,426
and simulations today
that will lead

93
00:05:04,426 --> 00:05:07,096
to their final certification
for flight and a launch

94
00:05:07,096 --> 00:05:10,726
for the prime crew in their
Soyuz TMA 07M spacecraft

95
00:05:10,726 --> 00:05:12,356
that will dock to
the Rassvet module.

96
00:05:13,146 --> 00:05:15,806
That launch is scheduled
take place on December 19