



1
00:00:02,276 --> 00:00:03,636
This is Mission Control,
Houston.

2
00:00:03,636 --> 00:00:05,976
Good morning to you from the
International Space Station

3
00:00:05,976 --> 00:00:06,796
flight control room.

4
00:00:06,796 --> 00:00:08,956
We want to welcome you
to today's ISS Update.

5
00:00:09,316 --> 00:00:12,376
It is a busy day for the
crew of Expedition 32

6
00:00:12,376 --> 00:00:13,876
on board the orbiting complex.

7
00:00:14,256 --> 00:00:16,396
The big news of the day
is last night's attempt

8
00:00:16,396 --> 00:00:20,266
by the Progress 47
cargo craft to re-dock

9
00:00:20,266 --> 00:00:22,596
with the International
Space Station was aborted.

10
00:00:23,046 --> 00:00:27,646
If you watched our live coverage
you saw that in the early part

11
00:00:27,646 --> 00:00:30,596

of that re-rendezvous with the
International Space Station

12

00:00:30,896 --> 00:00:34,186

that cargo craft did have
what's called a passive abort,

13

00:00:34,416 --> 00:00:36,766

where it called off
the approach itself.

14

00:00:36,766 --> 00:00:41,066

It was automatically aborted at
about 7:22 p.m. Central time.

15

00:00:41,066 --> 00:00:43,686

At that point in time, the
cargo craft was about 99

16

00:00:43,686 --> 00:00:47,276

to 100 miles away from
the space station itself.

17

00:00:47,646 --> 00:00:49,856

Since that time, the Russian
engineers have begun taking a

18

00:00:49,856 --> 00:00:52,976

look at that to find out exactly
what the cause of that is.

19

00:00:53,036 --> 00:00:54,346

This is not the first
time that one

20

00:00:54,346 --> 00:00:57,136

of these cargo craft have
the called off their abort.

21

00:00:57,136 --> 00:00:59,166

That is part of the
safety system on board

22

00:00:59,476 --> 00:01:02,136

as they draw near to the
International Space Station.

23

00:01:02,556 --> 00:01:05,416

But the team here in Houston
did verify that the Progress was

24

00:01:05,716 --> 00:01:09,266

on a safe trajectory away from
International Space Station.

25

00:01:09,266 --> 00:01:12,166

It passed down below it
at enough of a distance

26

00:01:12,166 --> 00:01:14,566

to not cause any sort of concern

27

00:01:14,566 --> 00:01:17,256

from the Houston team
or the Russian team.

28

00:01:17,906 --> 00:01:20,996

They also took a close look at
the proximity of this Progress

29

00:01:20,996 --> 00:01:26,026

to the Japanese HTV3 cargo craft
that launched last week and is

30

00:01:26,026 --> 00:01:28,196

on its way up to the
International Space Station,

31

00:01:28,196 --> 00:01:32,706

but HTV3 is currently at a lower

altitude than the Progress 47

32

00:01:33,076 --> 00:01:36,186
and the space station itself, so
there's no concern there either.

33

00:01:37,566 --> 00:01:39,826
About two orbits - or
about three hours roughly -

34

00:01:39,826 --> 00:01:44,826
after the abort, the mission
control team in Moscow activated

35

00:01:44,826 --> 00:01:48,526
that Kurs-NA system which is
a brand new system on board

36

00:01:48,526 --> 00:01:49,956
that Progress to check it out.

37

00:01:50,326 --> 00:01:53,606
They're taking a look at the
results of that as we speak now.

38

00:01:55,126 --> 00:01:57,636
They have uplinked a plan
to the Progress for it

39

00:01:57,636 --> 00:02:01,126
to perform a couple of
different burns tonight to slow

40

00:02:01,126 --> 00:02:02,466
down what's called
the phasing rate,

41

00:02:02,466 --> 00:02:05,976
basically how fast the
Progress itself is closing

42

00:02:05,976 --> 00:02:07,886
in on the orbiting
complex once again.

43

00:02:08,406 --> 00:02:09,346
So those burns will slow

44

00:02:09,346 --> 00:02:11,066
that down a bit while
they take a look at it.

45

00:02:11,436 --> 00:02:15,496
And then the preliminary
plan if all goes well is

46

00:02:15,496 --> 00:02:18,436
for the Progress to reattempt
its rendezvous coming

47

00:02:18,436 --> 00:02:20,556
up at some point this weekend,

48

00:02:20,556 --> 00:02:23,006
but the mission management
team here in Houston along

49

00:02:23,006 --> 00:02:25,796
with our Russian counterparts
over in Moscow will take a look

50

00:02:25,796 --> 00:02:28,196
at that, have some
talks later on today

51

00:02:28,196 --> 00:02:31,836
and will make a decision
in the coming day or so

52

00:02:31,876 --> 00:02:36,256
about the exact target for that
Progress to retry its approach

53
00:02:36,256 --> 00:02:37,896
to the International
Space Station.

54
00:02:38,266 --> 00:02:40,316
Now, this Progress has
already been buttoned up.

55
00:02:40,316 --> 00:02:42,586
It had its hatches closed
as the crew got ready

56
00:02:42,586 --> 00:02:45,136
for the actual undocking
this past weekend.

57
00:02:45,456 --> 00:02:47,816
There are no plans
for the Progress

58
00:02:47,816 --> 00:02:50,796
to be reopened should it
re-rendezvous and dock

59
00:02:50,796 --> 00:02:53,146
with the International
Space Station once again.

60
00:02:53,146 --> 00:02:56,716
So all in all, the role of
this Progress is complete,

61
00:02:57,126 --> 00:02:58,366
so if something were to happen

62
00:02:58,596 --> 00:03:00,596

that the progress
could not redock

63

00:03:00,596 --> 00:03:02,016

with the International
Space Station

64

00:03:02,016 --> 00:03:06,076

that really does not present
any sort of issue for the crew

65

00:03:06,076 --> 00:03:09,526

of Expedition 32 or the
International Space Station

66

00:03:09,526 --> 00:03:11,466

since that Progress
is basically finished

67

00:03:11,986 --> 00:03:14,566

with its time aboard the
International Space Station.

68

00:03:14,566 --> 00:03:17,306

This also, as of right now,
really does not have any sort

69

00:03:17,306 --> 00:03:19,586

of effect on the launch
of the next Progress,

70

00:03:19,856 --> 00:03:21,316

which will be the Progress 48,

71

00:03:21,666 --> 00:03:25,946

since those two vehicles do not
share the same Kurs rendezvous

72

00:03:26,256 --> 00:03:28,296

and approach system on board.

73

00:03:29,556 --> 00:03:32,836

Of course for the latest on this we'll have updates for you here

74

00:03:32,836 --> 00:03:36,106

on ISS Update throughout the week, but we also invite you log

75

00:03:36,106 --> 00:03:41,646

onto the NASA website at www.NASA.gov/station,

76

00:03:41,646 --> 00:03:43,626

and of course we'll have the latest there.

77

00:03:44,106 --> 00:03:46,206

Other than that, the crew is getting back

78

00:03:46,206 --> 00:03:47,406

on a normal schedule today.

79

00:03:47,406 --> 00:03:50,956

They had a shifted sleep period yesterday

80

00:03:50,956 --> 00:03:54,076

and today getting ready for all of this Progress activity.

81

00:03:54,076 --> 00:03:56,046

You see the entire crew there, with Aki Hoshide

82

00:03:56,046 --> 00:03:59,016

on the far left-hand side, Yuri Malenchenko second

83

00:03:59,016 --> 00:04:01,276

from the left, Suni Williams
there in the middle along

84

00:04:01,276 --> 00:04:04,536

with Joe Acaba, Gennady Padalka
there second from the right

85

00:04:04,936 --> 00:04:08,146

and Sergei Revin there on
the far right of that photo.

86

00:04:09,286 --> 00:04:11,906

Acaba is working on
medical experiments today

87

00:04:11,906 --> 00:04:13,176

and some sample processing.

88

00:04:13,176 --> 00:04:15,356

He is analyzing some
water on board

89

00:04:15,356 --> 00:04:18,536

from Water Processing Assembly,
which helps recycle the water

90

00:04:18,896 --> 00:04:20,476

on board the station itself.

91

00:04:20,476 --> 00:04:22,126

He's using what we
call the TOCA.

92

00:04:22,506 --> 00:04:24,756

This the Total Organic
Carbon Analyzer,

93

00:04:24,756 --> 00:04:26,426

which basically just
samples the water,

94

00:04:26,426 --> 00:04:29,076

makes sure that there's
nothing unexpected in there

95

00:04:29,076 --> 00:04:31,126

and that it's okay
for the crew to use.

96

00:04:31,126 --> 00:04:32,206

So he is doing that.

97

00:04:32,646 --> 00:04:34,106

He is also gathering equipment

98

00:04:34,106 --> 00:04:36,276

for the centerline
berthing camera system

99

00:04:36,276 --> 00:04:38,766

which will be installed
coming up in about two days.

100

00:04:40,316 --> 00:04:42,206

He's also performing
an air sampling session

101

00:04:42,206 --> 00:04:44,266

with what's called the
Air Quality Monitor.

102

00:04:44,266 --> 00:04:47,186

This is basically just a sniffer
that takes a look at the air

103

00:04:47,186 --> 00:04:50,286

on board and, much like that
water analyzer, just makes sure

104

00:04:50,286 --> 00:04:52,626

that it's okay for
the crew to use.

105

00:04:53,496 --> 00:04:55,766

He's also relocating
some hardware inside one

106

00:04:55,766 --> 00:04:57,796

of the Express drawers on board.

107

00:04:58,236 --> 00:05:02,376

Suni Williams is working
on setting up a computer,

108

00:05:02,376 --> 00:05:04,076

getting ready for the capture

109

00:05:04,076 --> 00:05:07,316

of the Japanese HTV vehicle
coming up later on today.

110

00:05:07,316 --> 00:05:09,856

You see the depiction of what
that's going to look like here.

111

00:05:10,496 --> 00:05:12,476

She's going to be sort
of serving as a backup

112

00:05:12,476 --> 00:05:14,626

to Joe Acaba and Aki Hoshide.

113

00:05:14,626 --> 00:05:17,056

Acaba's going to be doing the
first part of that capture,

114

00:05:17,506 --> 00:05:19,086

reaching out and
grabbing on to HTV,

115

00:05:19,086 --> 00:05:22,176
and then Aki Hoshide will
take over and bring it on in

116

00:05:22,176 --> 00:05:25,256
and install it on the bottom
side of the Harmony node.

117

00:05:26,606 --> 00:05:28,116
Hoshide himself is setting up

118

00:05:28,206 --> 00:05:30,216
and attaching a portable
fan assembly

119

00:05:30,336 --> 00:05:32,846
and some ventilation
ducts inside the Japanese

120

00:05:32,846 --> 00:05:34,096
Kibo laboratory.

121

00:05:36,276 --> 00:05:38,956
He's also taking care of
some other experiment work

122

00:05:38,956 --> 00:05:40,746
on board as well.

123

00:05:40,746 --> 00:05:43,906
Coming up on Friday, as
we mention HTV to you,

124

00:05:44,346 --> 00:05:46,476
the grapple of HTV
is still scheduled

125

00:05:46,476 --> 00:05:50,086
for 7:04 a.m. Central
time Friday morning.

126

00:05:50,216 --> 00:05:52,046
That's 8:04 a.m. Eastern time.

127

00:05:52,046 --> 00:05:53,536
Of course we'll have
live coverage of all

128

00:05:53,536 --> 00:05:55,866
of that here on NASA Television.

129

00:05:56,306 --> 00:05:57,926
The actual berthing

130

00:05:57,926 --> 00:05:59,446
and installation
operations will begin

131

00:05:59,446 --> 00:06:03,926
around 9:45 a.m. Central
time on Friday morning

132

00:06:04,256 --> 00:06:08,506
with the actual final
installation of the HTV3

133

00:06:08,506 --> 00:06:10,286
on the Harmony node scheduled

134

00:06:10,286 --> 00:06:13,156
for about 10:35 a.m.
Central time, but of course

135

00:06:13,156 --> 00:06:16,316
that all depends on how
fast the crew works.

136

00:06:16,316 --> 00:06:18,496

But all of that coming
up on Friday,