



1
00:00:02,336 --> 00:00:06,036
Good day and welcome to Mission
Control, Houston, where a team

2
00:00:06,036 --> 00:00:08,466
of flight controllers is
watching over the systems

3
00:00:08,466 --> 00:00:10,256
at the International
Space Station.

4
00:00:10,746 --> 00:00:14,316
Today on console Jerry Jason
is the flight director leading

5
00:00:14,316 --> 00:00:14,876
the team.

6
00:00:15,166 --> 00:00:16,856
He has Jay Marshky talking

7
00:00:16,856 --> 00:00:19,086
with the crew aboard the
International Space Station.

8
00:00:19,086 --> 00:00:22,686
Members of the Expedition
31 crew of course on duty.

9
00:00:26,456 --> 00:00:30,346
Don Pettit one of those crew
members talking with the folks

10
00:00:30,346 --> 00:00:31,226
on the ground today

11
00:00:31,546 --> 00:00:35,296
about last-minute stowage aboard

the Dragon SpaceX vehicle that's

12

00:00:35,296 --> 00:00:37,656
getting ready to unberth

13

00:00:37,656 --> 00:00:40,256
from the International Space
Station later this week

14

00:00:40,256 --> 00:00:44,646
on Thursday and begin a descent
through the Earth's atmosphere

15

00:00:44,646 --> 00:00:47,696
to a landing in the Pacific
Ocean off the Western coast

16

00:00:47,696 --> 00:00:48,606
of California.

17

00:00:48,966 --> 00:00:52,416
The crew opened the hatches
to the Dragon spacecraft

18

00:00:52,416 --> 00:00:55,056
about 4:53 a.m. Saturday.

19

00:00:55,526 --> 00:00:58,116
We have some video of the
hatch opening activities

20

00:00:58,116 --> 00:00:58,916
that we can show you.

21

00:01:08,966 --> 00:01:11,596
So far all of the
transfer of the cargo

22

00:01:11,596 --> 00:01:13,256

from inside the Dragon
spacecraft -

23

00:01:13,256 --> 00:01:14,986

the first commercial
spacecraft to dock

24

00:01:14,986 --> 00:01:16,856

with the International
Space Station -

25

00:01:17,296 --> 00:01:18,786

has been transferred over.

26

00:01:18,786 --> 00:01:21,756

It took about 18 hours to
transfer all the different items

27

00:01:22,106 --> 00:01:27,286

of clothing, experiment
hardware and other consumables

28

00:01:27,286 --> 00:01:29,576

for use aboard the
International Space Station.

29

00:01:29,856 --> 00:01:32,446

Again, this is video that
was recorded on Saturday

30

00:01:32,776 --> 00:01:35,436

as the crew opened the hatch
into the Dragon vehicle.

31

00:01:41,676 --> 00:01:45,796

Over the weekend all systems
aboard the space station

32

00:01:45,796 --> 00:01:47,686

continued to function well.

33

00:01:47,686 --> 00:01:50,676

There were a couple of
minor software issues seen

34

00:01:50,676 --> 00:01:54,826

in the robotic arm software
during the rendezvous

35

00:01:54,826 --> 00:01:59,546

and grapple and subsequent
ungrapple and regrapple efforts

36

00:01:59,546 --> 00:02:02,966

as the crew did a survey
of the trunk of the SpaceX,

37

00:02:03,116 --> 00:02:05,276

which is the external
cargo compartment.

38

00:02:05,916 --> 00:02:10,836

Those have been tracked down to
a small update in some software

39

00:02:10,836 --> 00:02:12,266

that was released
earlier this year,

40

00:02:12,266 --> 00:02:15,176

and it's been the first
time that the team has used

41

00:02:15,176 --> 00:02:17,156

that particular parameter
in the software.

42

00:02:17,396 --> 00:02:18,546

And they have a good workaround

43

00:02:18,546 --> 00:02:20,886

where they just make sure
they upload a new file

44

00:02:20,886 --> 00:02:25,476

for this backup file that comes
into play before they go off

45

00:02:25,476 --> 00:02:27,266

to do another activity,
and it's not going

46

00:02:27,266 --> 00:02:28,646

to be a problem from
then on out.

47

00:02:28,686 --> 00:02:31,696

So they're expecting a very
smooth activity associated

48

00:02:31,846 --> 00:02:37,526

with the preparations for
the grapple and unberthing.

49

00:02:38,596 --> 00:02:41,216

The Dragon is scheduled
to be unberthed

50

00:02:41,216 --> 00:02:45,276

from the space station's
Harmony node module which is

51

00:02:45,276 --> 00:02:49,136

on the Earth-facing port at 3:15
a.m. Central time on Thursday

52

00:02:49,136 --> 00:02:51,046

and then the release
is scheduled

53

00:02:51,046 --> 00:02:54,086
for 5:12 a.m. Central
time on Thursday.

54

00:02:54,496 --> 00:02:56,226
And the SpaceX team
reported today

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00:02:56,226 --> 00:02:59,166
in the International Management
Team Meeting that they expect

56

00:02:59,166 --> 00:03:02,206
about five hours of
orbital operations

57

00:03:02,206 --> 00:03:05,696
as it departs the International
Space Station and prepares

58

00:03:05,836 --> 00:03:07,056
to make its splashdown.

59

00:03:08,136 --> 00:03:12,466
The International Mission
Station Management Team today

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00:03:12,466 --> 00:03:15,516
did a full review and poll
of the activities leading

61

00:03:15,516 --> 00:03:19,196
up to the closing of the
hatches and the unberthing

62

00:03:19,196 --> 00:03:21,686
of the spacecraft and
determined that they were go

63

00:03:21,686 --> 00:03:25,066
for that unberthing, and
so we're looking forward

64
00:03:25,066 --> 00:03:27,816
to the final stages

65
00:03:27,816 --> 00:03:30,836
of the Dragon SpaceX
first commercial mission

66
00:03:30,836 --> 00:03:33,196
to the International Space
Station later this week.

67
00:03:33,786 --> 00:03:36,726
On board the space station
today the crew has been focusing

68
00:03:36,726 --> 00:03:41,236
on primarily unstowage
and restowage issues

69
00:03:41,236 --> 00:03:43,906
as they complete the
cargo transfer activities.

70
00:03:44,266 --> 00:03:47,006
They have been working on a
few other different experiments

71
00:03:47,006 --> 00:03:50,276
on board as time allowed, and
we're getting ready for an event

72
00:03:50,276 --> 00:03:53,596
on NASA Television - a
European Space Agency event -

73
00:03:53,596 --> 00:03:58,426

a coming up at 10:55
a.m. Central time

74

00:03:58,426 --> 00:04:01,946
as Expedition 31 Flight
Engineer Andre Kuipers talks

75

00:04:01,946 --> 00:04:05,836
with European Space
Agency's Christer Fuglesang

76

00:04:06,166 --> 00:04:07,776
and some Twitter participants.

77

00:04:07,776 --> 00:04:10,026
That event coming up a
little bit later today.

78

00:04:10,026 --> 00:04:13,546
And so, with that, Oleg
Kononenko, Andre Kuipers,

79

00:04:13,546 --> 00:04:16,456
Don Pettit, Gennady
Padalka, Sergei Revin

80

00:04:16,456 --> 00:04:18,726
and Joe Acaba are continuing
their activities aboard the

81

00:04:18,726 --> 00:04:23,376
space station as it orbits right
now about 250 statute miles