1
00:00:01,726 --> 00:00:03,116
This is Mission Control Houston.

2
00:00:03,116 --> 00:00:04,856
Welcome to today's ISS update.

3
00:00:04,856 --> 00:00:07,406
It is Tuesday, March 5, 2013.

4
00:00:07,626 --> 00:00:10,146
The crew did make good
progress over the last couple

5
00:00:10,146 --> 00:00:13,136
of days unloading the
SpaceX Dragon cargo craft

6
00:00:13,136 --> 00:00:15,256
as of yesterday evening.

7
00:00:15,626 --> 00:00:19,026
The crew has completed all
of the removal of the cargo

8
00:00:19,026 --> 00:00:21,056
that came up to the
International Space Station.

9
00:00:21,256 --> 00:00:25,476
There was more than 1,268
pounds of supplies and research

10
00:00:25,866 --> 00:00:27,676
that came up to the
orbiting complex.

11
00:00:28,026 --> 00:00:30,636
The crew is way ahead
of the timeline in terms

12
00:00:30,636 --> 00:00:33,136
of unloading all of
that cargo to the point

13
00:00:33,136 --> 00:00:34,626
that the ground controllers
have asked them

14
00:00:34,626 --> 00:00:36,296
to take a pause while
they figure

15
00:00:36,296 --> 00:00:38,256
out exactly how they
want the crew

16
00:00:38,256 --> 00:00:42,256
to pack this cargo craft full
of the items that will come back

17
00:00:42,326 --> 00:00:43,696
to Earth at the end
of the month.

18
00:00:44,076 --> 00:00:47,626
There's 2,668 pounds of
materials and experiments

19
00:00:47,626 --> 00:00:50,356
that are going to be coming back
home including some unneeded

20
00:00:50,356 --> 00:00:53,816
crew supplies, some experiments
from the Canadian Space Agency,

21
00:00:53,816 --> 00:00:55,116
the European Space Agency,

22
00:00:56,096 --> 00:00:59,326
JAXA which is the Japan
Aerospace Exploration Agency

23
00:00:59,886 --> 00:01:01,306
and of course NASA itself.

24
00:01:01,306 --> 00:01:03,936
So all of that will get
packed onboard Dragon

25
00:01:04,236 --> 00:01:07,626
and will come back what
is scheduled for March 25.

26
00:01:08,476 --> 00:01:11,146
Dragon also has some
external cargo.

27
00:01:11,146 --> 00:01:14,866
There are two grapple bars that
weighed 602 pounds together

28
00:01:15,326 --> 00:01:17,456
that are in the unpressurized
section of Dragon,

29
00:01:17,456 --> 00:01:20,106
basically the bottom
inside of the spacecraft.

30
00:01:20,156 --> 00:01:22,146
Those are going to
be removed tomorrow.

31
00:01:22,496 --> 00:01:24,516
But in preparation
for that the crew

32

00:01:24,516 --> 00:01:26,916
and the ground controllers
here in Houston are going

33
00:01:26,916 --> 00:01:28,506
to be doing some
robotic operations.

34
00:01:28,506 --> 00:01:31,676
The ground teams are going
to command the station's arm

35
00:01:31,676 --> 00:01:33,366
to take a peek at
Dragon's trunk,

36
00:01:33,366 --> 00:01:36,166
which is the bottom portion of
the spacecraft, to make sure

37
00:01:36,166 --> 00:01:39,416
that everything looks good and
is ready to support the removal

38
00:01:39,416 --> 00:01:42,046
of those grapple bars
coming up tomorrow.

39
00:01:42,046 --> 00:01:44,256
That should begin around
1 p.m. Central time,

40
00:01:44,576 --> 00:01:46,196
2 p.m. Eastern time.

41
00:01:46,536 --> 00:01:48,046
Those grapple bars
will be stored

42
00:01:48,226 --> 00:01:51,326

on a payload attachment point
on the mobile base structure

43
00:01:51,786 --> 00:01:53,226
of the International
Space Station.

44
00:01:53,226 --> 00:01:56,336
Ultimately, they will be
stored one on the S-1 truss

45
00:01:56,696 --> 00:01:59,296
and the second one will be put
on the P1 truss, both the left

46
00:01:59,296 --> 00:02:01,006
and right hand side
of the station,

47
00:02:01,386 --> 00:02:03,446
coming up during a
future spacewalk.

48
00:02:04,206 --> 00:02:06,506
Meanwhile, as we mentioned
Kevin Ford, Oleg Novitskiy

49
00:02:06,506 --> 00:02:08,496
and Evgeny Tarelkin
getting ready to wrap

50
00:02:08,496 --> 00:02:10,996
up their time aboard the
International Space Station.

51
00:02:11,456 --> 00:02:16,866
Their Soyuz will undock on March
14 at 7:30 p.m. Central time,

52
00:02:17,426 --> 00:02:19,566

that'll be 8:30 p.m.
Eastern time.

53
00:02:20,096 --> 00:02:22,066
It'll be the morning
of March 15 there

54
00:02:22,066 --> 00:02:24,016
in Kazakhstan at
the landing sight.

55
00:02:24,016 --> 00:02:26,296
They're going to be landing
in the northern side just

56
00:02:26,296 --> 00:02:28,066
to the northeast of
the town of Arkalyk.

57
00:02:28,446 --> 00:02:30,346
That is, as we mentioned,
the northern zone.

58
00:02:30,666 --> 00:02:33,906
The ground forces will be
based in the city of Kustanai.

59
00:02:34,276 --> 00:02:37,436
As that Soyuz undocks the
recovery helicopters will lift

60
00:02:37,436 --> 00:02:39,136
off the ground and head out
toward the landing zone.

61
00:02:39,136 --> 00:02:41,366
The deorbit burn for the
Soyuz will actually take place

62
00:02:41,366 --> 00:02:43,436

at 10:04 p.m. Central time.

63
00:02:43,886 --> 00:02:46,576
That'll be 9:04 a.m. the
next morning in Kazakhstan.

64
00:02:46,576 --> 00:02:48,766
And then the actual
landing will take place

65
00:02:48,766 --> 00:02:55,546
at 10:57 p.m. Central time, or
9:57 a.m. there in Kazakhstan.

66
00:02:55,546 --> 00:02:57,676
Of course we'll have live
coverage here on NASA television

67
00:02:58,076 --> 00:03:01,976
of all of the day's activities
as Kevin Ford, Oleg Novitskiy

68
00:03:01,976 --> 00:03:06,276
and Evgeny Tarelkin get ready
to wrap up 143 days in space,