1
00:00:01,680 --> 00:00:03,949
Mike Curie/NASA Launch Commentator: From Cape Canaveral Air Force Station in

2
00:00:03,949 --> 00:00:09,099
Florida, you're watching live coverage of the launch of the SpaceX Falcon 9 rocket and

3
00:00:09,099 --> 00:00:11,120
Dragon capsule.

4
00:00:11,120 --> 00:00:17,000
Good morning, this is Falcon Launch Control at T-1 hour, 6 minutes 35 seconds

5
00:00:17,000 --> 00:00:17,980
minutes and counting.

6
00:00:17,980 --> 00:00:23,520
About just about 24 hours ago the Falcon rocket was fully fueled and ready to soar into

7
00:00:23,520 --> 00:00:28,529
space on a two-day race to the International Space Station, when a weather system

8
00:00:28,529 --> 00:00:34,480
spanning from across the Northern Gulf of Mexico to east of the Florida coast brought

9
00:00:34,480 --> 00:00:39,190
torrential rain and thick clouds to the Space Coast and caused the postponement of the

10
00:00:39,190 --> 00:00:46,050
SpaceX Commercial Resupply Services 4 mission.

11
00:00:46,050 --> 00:00:50,570
Everyone across the country has regrouped

and the SpaceX launch control team here

12
00:00:50,570 --> 00:00:56,390
at Cape Canaveral has gathered again to oversee
the launch of Falcon and the Dragon

13
00:00:56,390 --> 00:01:01,710
capsule. Teams of engineers and flight controllers
also are gathered at the SpaceX

14
00:01:01,710 --> 00:01:06,740
Mission Control Center in Hawthorne, California.

15
00:01:06,740 --> 00:01:12,460
They're overseeing launch preparations as
well as the flight once the launch occurs

16
00:01:12,460 --> 00:01:12,780
and

17
00:01:12,780 --> 00:01:18,600
the same thing is occurring at Mission Control
in Houston at the Johnson Space Center

18
00:01:18,600 --> 00:01:23,560
where Scott Stover, the flight director, is
overseeing his Orbit 1 team of flight controllers

19
00:01:23,560 --> 00:01:28,650
awaiting anxiously the launch of the Falcon
on its way to the International Space

20
00:01:28,650 --> 00:01:32,100
Station.

21
00:01:32,100 --> 00:01:37,860
This is the fourth of 12 planned Commercial
Resupply Services, or CRS, missions for

22

00:01:37,860 --> 00:01:44,220
SpaceX, following three previous official
resupply missions, the last one in April.

23
00:01:44,220 --> 00:01:48,439
Liftoff is targeted for an instantaneous launch
window that has been further refined ■ it's

24
00:01:48,439 --> 00:01:55,439
now is 1:52:03 a.m. EDT. And at the time of
launch the International Space Station will

25
00:01:56,750 --> 00:02:03,750
be flying at an altitude of 262 miles at 51.7
degrees south latitude, 165 degrees east

26
00:02:06,009 --> 00:02:09,919
longitude; southwest of New Zealand.

27
00:02:09,919 --> 00:02:15,040
Weather today is a marked difference than
it was last night. At about this time last

28
00:02:15,040 --> 00:02:15,188
night

29
00:02:15,189 --> 00:02:22,189
we were facing a 90 percent "no go" criteria.
Today, U.S. Air Force 45th Weather

30
00:02:24,209 --> 00:02:31,180
Squadron weather officer Mike McAleenan, has
just modified and amended his forecast

31
00:02:31,180 --> 00:02:37,169
giving us only a 10 percent probability of
violation and a 90 percent chance of favorable

32
00:02:37,169 --> 00:02:40,319
weather. The only concern -- the cumulous

cloud rule.

33
00:02:40,319 --> 00:02:45,269
Mike McAleenan will be updating the Launch Control Team here shortly, at one hour

34
00:02:45,269 --> 00:02:49,819
away from launch, in about four minutes, so we'll stand by to find out if there are any

35
00:02:49,819 --> 00:02:51,519
updates.

36
00:02:51,519 --> 00:02:55,409
This is an important mission for NASA and the Space Station Program because Dragon

37
00:02:55,409 --> 00:02:59,639
spacecraft is carrying with more than 5,000 pounds of supplies and payloads, including

38
00:02:59,639 --> 00:03:05,659
materials to support 255 science and research investigations that will occur during

39
00:03:05,659 --> 00:03:09,849
Expeditions 41 and 42.

40
00:03:09,849 --> 00:03:13,859
With the launch on time today, the Dragon capsule should arrive at the International

41
00:03:13,859 --> 00:03:18,819
Space Station Tuesday at 7:04 a.m. Eastern time.

42
00:03:18,819 --> 00:03:23,409
The launch team is not working any significant technical issues at this time. And once

43
00:03:23,409 --> 00:03:29,329
again we'll be standing by for a weather briefing
in about two and a half minutes from

44
00:03:29,329 --> 00:03:31,650
Launch Weather Officer Mike McAleenan.