



1

00:00:01,640 --> 00:00:07,499

MIKE CURIE/NASA LAUNCH COMMENTATOR: Good afternoon and welcome to the Orbital ATK CRS-4

2

00:00:07,499 --> 00:00:09,269

launch campaign.

3

00:00:09,269 --> 00:00:13,870

Live from Cape Canaveral Air Force Station in Florida, this is Atlas Launch Control.

4

00:00:13,870 --> 00:00:19,000

We're at T-minus 29 minutes, 24 seconds and counting.

5

00:00:19,000 --> 00:00:24,250

Teams here and across the country are gathered for launch once again of the Orbital ATK Commercial

6

00:00:24,250 --> 00:00:31,720

Resupply Services mission 4, or CRS-4, to the International Space Station.

7

00:00:31,720 --> 00:00:37,309

After two weather-caused scrubs in succession, and one postponement on Saturday prior to

8

00:00:37,309 --> 00:00:38,309

fueling,

9

00:00:38,309 --> 00:00:44,120

NASA, Orbital ATK and United Launch Alliance all are hoping that today will be the day.

10

00:00:44,120 --> 00:00:50,559

Today 45th Weather Squadron Launch Weather Officer Clay Flinn's forecast calls for a

11

00:00:50,559 --> 00:00:51,690

70 percent chance

12

00:00:51,690 --> 00:00:55,690
of favorable weather, a 30 percent chance
of launch weather rule violations.

13

00:00:55,690 --> 00:01:02,840
Earlier, it was almost reversed, but as we
approached the launch countdown today,

14

00:01:02,840 --> 00:01:07,780
conditions were more favorable than originally
predicted.

15

00:01:07,780 --> 00:01:13,640
There still is a possibility of wind gusts
becoming an issue today.

16

00:01:13,640 --> 00:01:20,070
The forecast is actually calling for lower
gusts from the north, direction of zero-two-zero,

17

00:01:20,070 --> 00:01:23,180
16 gusting to 20.

18

00:01:23,180 --> 00:01:28,479
However, in the last hour or so, there have
been a few gusts that have exceeded that.

19

00:01:28,479 --> 00:01:33,090
We also have in the forecast the slim possibility
for isolated coastal showers.

20

00:01:33,090 --> 00:01:38,590
Temperature at launch should be around 73
to 74 degrees.

21

00:01:38,590 --> 00:01:42,860
The concerns would be for ground winds and
cumulus clouds.

22

00:01:42,860 --> 00:01:44,159

But again,

23

00:01:44,159 --> 00:01:47,290

weather is definitely looking better today
than it has been the last several days,

24

00:01:47,290 --> 00:01:52,860

so we are back today at Space Launch Complex
41 here at Cape Canaveral Air Force Station

25

00:01:52,860 --> 00:01:53,860

for the

26

00:01:53,860 --> 00:02:00,829

launch of the Orbital ATK Cygnus spacecraft
atop the United Launch Alliance Atlas V rocket.

27

00:02:00,829 --> 00:02:08,369

Our liftoff today is targeted for the opening
of a 30-minute launch window at 4:44 and 57

28

00:02:08,369 --> 00:02:09,369

seconds p.m.

29

00:02:09,369 --> 00:02:11,260

Eastern time.

30

00:02:11,260 --> 00:02:16,360

A launch today would result in the Cygnus
spacecraft arriving at the station on

31

00:02:16,360 --> 00:02:22,870

Wednesday, December 9, where crewmembers Kjell
Lindgren and Scott Kelly will use the station's

32

00:02:22,870 --> 00:02:28,590

Canadarm 2 robotic arm to reach out, grasp

Cygnus at approximately 6:10 a.m.,

33

00:02:28,590 --> 00:02:33,690

and then will berth it to the Earth-facing
Unity port.