



1

00:00:00,550 --> 00:00:02,170

George Diller, NASA Communications Launch

Commentator: "This is Atlas launch control

2

00:00:02,170 --> 00:00:06,080

at T-minus 41 minutes and counting.

3

00:00:06,080 --> 00:00:09,010

We are on schedule for the launch of the United

Launch

4

00:00:09,010 --> 00:00:15,340

Alliance Atlas V rocket with the Orbital ATK

Cygnus cargo resupply module.

5

00:00:15,340 --> 00:00:16,340

Launch continues

6

00:00:16,340 --> 00:00:18,449

to be scheduled for 11:11 a.m.

7

00:00:18,449 --> 00:00:24,570

When lift off occurs, it will take the Atlas

21 minutes to place the

8

00:00:24,570 --> 00:00:30,599

Cygnus in the proper Earth orbit to rendezvous

with the International Space Station.

9

00:00:30,599 --> 00:00:36,460

This will be the 71st launch of the Atlas

V rocket in the long and storied history of

10

00:00:36,460 --> 00:00:38,420

the Atlas.

11

00:00:38,420 --> 00:00:44,480

This is a commercial mission of Orbital ATK

in a launch agreement with United Launch Alliance

12  
00:00:44,480 --> 00:00:53,300  
as part of NASA's Commercial Resupply Services  
contract for the space station.

13  
00:00:53,300 --> 00:01:01,780  
Work to fuel the rocket with the liquid oxygen  
and hydrogen began at 8:41 a.m. this morning,

14  
00:01:01,780 --> 00:01:06,010  
approximately two-and-a-half hours before  
launch.

15  
00:01:06,010 --> 00:01:09,300  
We'll enter a final planned 30-minute built-in

16  
00:01:09,300 --> 00:01:12,030  
hold just before 10:30 this morning.

17  
00:01:12,030 --> 00:01:15,090  
Shortly after which the Air Force launch weather  
officer will

18  
00:01:15,090 --> 00:01:26,520  
be giving a final weather briefing.

19  
00:01:26,520 --> 00:01:32,500  
And now some of the roll-out of the Atlas  
V rocket from

20  
00:01:32,500 --> 00:01:44,280  
yesterday morning at 9:00.

21  
00:01:44,340 --> 00:01:48,220  
The  
Atlas V with the Cygnus payload is 191 feet

22  
00:01:48,220 --> 00:01:49,970  
tall, two stages plus

23

00:01:49,970 --> 00:01:53,880

the payload.

24

00:01:53,880 --> 00:01:58,310

The payload faring enclosing the Cygnus is 14 feet in diameter.

25

00:01:58,310 --> 00:02:08,489

The Cygnus module has a height of 21 feet and 10 feet in diameter.

26

00:02:08,489 --> 00:02:18,510

Onboard the Cygnus module is 7,626 pounds of cargo going up to the International Space

27

00:02:18,510 --> 00:02:21,050

Station.

28

00:02:21,050 --> 00:02:28,220

Meanwhile, the RP-1 propellant loading was completed yesterday afternoon,

29

00:02:28,220 --> 00:02:40,130

25,000 gallons of RP-1 and liquid oxygen is loaded aboard now of 4,800 gallons of liquid

30

00:02:40,130 --> 00:02:43,280

oxygen.

31

00:02:43,280 --> 00:02:55,190

And all of the countdown activities are continuing on schedule for our 11:11 a.m. liftoff.