



STARGAZER

Orbital ATK

W1405C

1

00:00:01,140 --> 00:00:04,930

George Diller, NASA Commentator: This is Pegasus
Launch Control at T-1 hour, 34

2

00:00:04,930 --> 00:00:08,420

minutes, 23 seconds and counting.

3

00:00:08,420 --> 00:00:12,300

Our launch countdown preparations are on schedule.

4

00:00:12,300 --> 00:00:14,740

The stairs now just being pulled

5

00:00:14,740 --> 00:00:18,920

away from the L-1011 aircraft in preparation
for taxi.

6

00:00:18,920 --> 00:00:22,430

All of the three engines are

7

00:00:22,430 --> 00:00:24,630

running.

8

00:00:24,630 --> 00:00:32,210

Access door to the forward section of the
airplane has been closed.

9

00:00:32,210 --> 00:00:33,210

And we remain on

10

00:00:33,210 --> 00:00:41,350

schedule for launch this morning.

11

00:00:41,350 --> 00:00:44,850

Launch countdown began at 3:15 a.m. this morning
here at the mission director's

12

00:00:44,850 --> 00:00:45,850

center.

13

00:00:45,850 --> 00:00:51,050

Approximately five hours prior to the opening of the launch window.

14

00:00:51,050 --> 00:00:55,821

Going through the pre-takeoff checklist for the L-1011, the Pegasus rocket and the

15

00:00:55,821 --> 00:01:03,289

CYGNSS spacecraft takes about three-and-a-half hours to complete.

16

00:01:03,289 --> 00:01:10,479

There's been a slight change to our T-0 time based on the latest analysis we have on

17

00:01:10,479 --> 00:01:13,750

our collision avoidance quotient.

18

00:01:13,750 --> 00:01:18,259

And we are now targeting a drop of the Pegasus at

19

00:01:18,259 --> 00:01:20,610

8:35 a.m.

20

00:01:20,610 --> 00:01:26,980

And that is to purely just to avoid any objects on orbit that might be within a

21

00:01:26,980 --> 00:01:31,200

certain distance of the flight path of the Pegasus rocket.

22

00:01:31,200 --> 00:01:40,619

So, right now the L-1011 is scheduled for departure at 7:35 a.m., and our drop of the

23

00:01:40,619 --> 00:01:44,299

Pegasus one hour later, at 8:35 a.m.

24

00:01:44,299 --> 00:01:45,990

Our launch window remains the same.

25

00:01:45,990 --> 00:01:47,500

We will be

26

00:01:47,500 --> 00:01:52,409

opening our launch window at 7:21 a.m., which is the nominal opening of the window.

27

00:01:52,409 --> 00:01:56,549

And we planned originally to launch five minutes into the opening of the window.

28

00:01:56,549 --> 00:01:57,549

So

29

00:01:57,549 --> 00:02:02,580

now just slightly more into that to allow for the collision avoidance.

30

00:02:02,580 --> 00:02:07,960

At this point, nothing is unusual in our countdown.

31

00:02:07,960 --> 00:02:10,149

It's going to be a fairly routine

32

00:02:10,149 --> 00:02:14,620

Pegasus launch countdown.

33

00:02:14,620 --> 00:02:18,600

And as we said, we're going slightly into the launch window

34

00:02:18,600 --> 00:02:21,090

before the drop of the Pegasus from the L-1011.

35

00:02:21,090 --> 00:02:24,760

That does not change the fact that we

36

00:02:24,760 --> 00:02:31,870

will still have all the way until 8:21 to
be able to launch this morning.