



1
00:00:00,960 --> 00:00:02,250
George Diller, NASA Launch Commentary: T-minus
10

2
00:00:02,250 --> 00:00:03,070
9

3
00:00:03,070 --> 00:00:03,899
8

4
00:00:03,899 --> 00:00:04,720
7

5
00:00:04,720 --> 00:00:05,549
6

6
00:00:05,549 --> 00:00:07,240
5

7
00:00:07,240 --> 00:00:08,140
4

8
00:00:08,140 --> 00:00:08,959
3

9
00:00:08,960 --> 00:00:09,790
2

10
00:00:09,790 --> 00:00:11,900
1

11
00:00:11,900 --> 00:00:17,700
Ignition and liftoff of the Atlas V rocket
with Cygnus.

12
00:00:17,700 --> 00:00:19,240
Supplies for the crew.

13

00:00:19,249 --> 00:00:21,349

Experiments for the science.

14

00:00:30,420 --> 00:00:33,920

Speeds and pressures are good.

15

00:00:33,920 --> 00:00:37,180

Pitch, yaw, roll has begun

16

00:00:42,280 --> 00:00:49,960

RD 180s continue to perform well

17

00:00:49,960 --> 00:00:51,720

building swift

18

00:01:08,720 --> 00:01:10,480

continues to look good.

19

00:01:10,560 --> 00:01:13,270

Pitch, yaw, roll program is complete.

20

00:01:13,270 --> 00:01:17,110

Now flying the zero angle attack phase of flight.

21

00:01:20,840 --> 00:01:25,640

Beginning to see some minor.

22

00:01:34,880 --> 00:01:36,440

Mach one.

23

00:01:46,040 --> 00:01:47,880

Max Q

24

00:01:47,899 --> 00:01:49,619

RD 180s continue to look good.