



1
00:00:00,830 --> 00:00:01,940
George Diller, NASA Communications Launch
Commentator: T-minus 10,

2
00:00:01,940 --> 00:00:02,940
9,

3
00:00:02,940 --> 00:00:03,940
8,

4
00:00:03,940 --> 00:00:04,940
7,

5
00:00:04,940 --> 00:00:05,940
6,

6
00:00:05,940 --> 00:00:06,940
5,

7
00:00:06,940 --> 00:00:07,940
4,

8
00:00:07,940 --> 00:00:08,940
3,

9
00:00:08,940 --> 00:00:09,940
2,

10
00:00:09,940 --> 00:00:10,940
go for main engine start,

11
00:00:10,940 --> 00:00:11,950
1,

12
00:00:11,950 --> 00:00:13,110
zero,

13

00:00:13,110 --> 00:00:16,460
and liftoff of the Atlas V rocket

14
00:00:16,460 --> 00:00:22,600
with Cygnus and the S.S. John Glenn extending
the research legacy of living and

15
00:00:22,640 --> 00:00:27,360
working in space.

16
00:00:34,800 --> 00:00:37,120
Launch Director: Roll program has begun.

17
00:00:37,120 --> 00:00:38,800
Flight looks good.

18
00:01:04,720 --> 00:01:11,600
Engines continue to perform well.

19
00:01:11,600 --> 00:01:23,040
Booster has begun zero angle (Unintelligible)
of flight

20
00:01:23,040 --> 00:01:26,960
RD-80 continues to perform nominal.

21
00:01:34,880 --> 00:01:36,880
Op. 1

22
00:01:44,640 --> 00:01:49,120
George Diller: Vehicle now going through the
sound barrier.

23
00:01:49,120 --> 00:01:53,760
Launch Director: Max Q, flight continues to
look good at this point in the flight.

24
00:01:53,780 --> 00:01:56,100
Booster has throttled back right on schedule.

25

00:01:56,100 --> 00:02:00,250

Signatures are good.

26

00:02:00,250 --> 00:02:07,460

Altitude is five-and-a half-miles, current
velocity is 1,929 miles per hour.