



05:53:01.990

1  
00:00:01,300 --> 00:00:02,010  
(Background . . . 10, 9,)

2  
00:00:02,010 --> 00:00:09,010  
Mike Curie/NASA Launch Commentator: 9, 8,  
7, 6, 5, 4, 3, 2, 1 . . . engines ignited

3  
00:00:11,940 --> 00:00:18,940  
. and we have liftoff of SpaceX Falcon 9 rocket  
and Dragon. CRS-4 is underway.

4  
00:00:20,359 --> 00:00:26,499  
A U.S. commercial spacecraft launching from  
American soil delivers new science and

5  
00:00:26,499 --> 00:00:31,019  
technology to the International Space Station.

6  
00:00:36,460 --> 00:00:33,410  
(Inaudible)

7  
00:00:51,960 --> 00:00:55,400  
Mike Curie/NASA Launch Commentator: At one  
minute, 13 seconds after liftoff, the

8  
00:00:55,410 --> 00:00:59,960  
Falcon 9 will reach supersonic speed passing  
through the area of maximum

9  
00:00:59,960 --> 00:01:01,890  
aerodynamic pressure.

10  
00:01:01,890 --> 00:01:02,859  
(Inaudible)

11  
00:01:02,859 --> 00:01:09,620  
Mike Curie/NASA Launch Commentator: Ten seconds  
later.

12

00:01:09,620 --> 00:01:10,590

(Inaudible)

13

00:01:10,590 --> 00:01:17,590

Altitude 5.8 kilometers -- speed 250 meters  
per second downrange distance

14

00:01:27,660 --> 00:01:24,560

(Inaudible)

15

00:01:35,630 --> 00:01:40,840

Vehicle's reaching maximum aerodynamic pressure.