



1
00:00:00,489 --> 00:00:01,439
George Diller, NASA Launch Commentator: Green
board.

2
00:00:01,439 --> 00:00:03,030
T minus 10

3
00:00:03,030 --> 00:00:03,950
9

4
00:00:03,950 --> 00:00:04,879
8

5
00:00:04,879 --> 00:00:05,799
7

6
00:00:05,799 --> 00:00:06,729
6

7
00:00:06,729 --> 00:00:07,649
5

8
00:00:07,649 --> 00:00:08,580
4

9
00:00:08,580 --> 00:00:09,500
3

10
00:00:09,500 --> 00:00:10,429
2

11
00:00:10,429 --> 00:00:11,040
Engine start

12
00:00:11,040 --> 00:00:11,339
1

13

00:00:11,339 --> 00:00:11,639

zero

14

00:00:11,639 --> 00:00:17,300

And liftoff of the Delta 2 rocket with OCO-2

15

00:00:17,300 --> 00:00:20,349

Tracking of greenhouse gas in seek of clues
to climate change

16

00:00:21,880 --> 00:00:28,880

Voice of Steve Agid, Flight Commentator: (inaudible)
checking pressure in both verniers

17

00:00:30,419 --> 00:00:33,450

The chamber pressure and the three solids■good
symmetrical burn

18

00:00:33,450 --> 00:00:37,040

Twenty-two seconds in■.still looking good

19

00:00:43,860 --> 00:00:47,720

The two deck coming up on one mile

20

00:00:48,060 --> 00:00:50,550

Range distance seven point three nautical
miles

21

00:00:50,550 --> 00:00:53,760

Velocity 959 miles per hour

22

00:00:57,020 --> 00:00:58,440

Past mach one

23

00:01:01,580 --> 00:01:03,680

Fifty seconds in, maximum dynamic pressure

24

00:01:04,300 --> 00:01:09,420

Standing by for the solids dropping in chamber

pressure

25

00:01:11,509 --> 00:01:12,990

And we have burn out of the three solids

26

00:01:12,990 --> 00:01:17,619

We'll be holding onto those solids for about 40 seconds to assure a safe water impact

27

00:01:17,620 --> 00:01:18,229

point.

28

00:01:18,229 --> 00:01:22,890

One minute, seven seconds into the flight, altitude now seven point two nautical miles,

29

00:01:22,890 --> 00:01:28,670

downrange distance ten nautical miles, velocity 991 miles per hour.

30

00:01:28,670 --> 00:01:32,240

One minute, seventeen seconds in.

31

00:01:35,520 --> 00:01:39,240

About 15 seconds now until we expect those three solid boosters to separate from the

32

00:01:39,590 --> 00:01:46,590

vehicle, as we're approaching the one minute, thirty second mark.