1
00:00:01,520 --> 00:00:02,540
Falcon 9 Ascent Commentator: T minus: 10,

2
00:00:02,860 --> 00:00:03,500
9

3
00:00:03,800 --> 00:00:04,439
8

4
00:00:06,600 --> 00:00:05,341
7

5
00:00:06,600 --> 00:00:07,241
5

6
00:00:07,520 --> 00:00:08,170
4

7
00:00:08,600 --> 00:00:09,240
3

8
00:00:09,380 --> 00:00:10,019
2

9
00:00:10,200 --> 00:00:10,851
1

10
00:00:11,620 --> 00:00:12,260
0

11
00:00:13,860 --> 00:00:22,840
And liftoff! The Falcon takes flight. Propelling
the Deep Space Climate Observatory on a

12
00:00:22,840 --> 00:00:26,160
million-mile journey to protect our planet
Earth.

13
00:00:34,520 --> 00:00:36,240
Mike Curie/NASA Launch Commentator: Beautiful ascent.

14
00:00:55,180 --> 00:00:58,180
Mike Curie/NASA Launch Commentator: One minute, 13 seconds after liftoff, the

15
00:00:58,180 --> 00:01:04,580
Falcon 9 will reach supersonic speed. Fifty seconds into flight now.

16
00:01:13,009 --> 00:01:15,709
Falcon 9 basking in the glow of the sunset.

17
00:01:15,709 --> 00:01:21,159
Launch Controller: Altitude 6.5 kilometers. Downrange distance 4.3 kilometers.

18
00:01:21,159 --> 00:01:25,490
Speed 599 meters per second.

19
00:01:25,490 --> 00:01:29,380
Launch Controllers: Recovery has acquisition of signal.

20
00:01:29,380 --> 00:01:32,909
Mike Curie/NASA Launch Commentator: Standing by to pass through the maximum

21
00:01:32,909 --> 00:01:34,039
aerodynamic pressure.

22
00:01:34,039 --> 00:01:35,770
Launch Controller: Vehicle is supersonic.

23
00:01:35,770 --> 00:01:38,750
Mike Curie/NASA Launch Commentator: Falcon 9 is supersonic.

24
00:01:41,080 --> 00:01:44,440
Launch Controller: Vehicle has reached maximum
aerodynamic pressure.

25
00:01:44,450 --> 00:01:48,429
Mike Curie/NASA Launch Commentator: Everything
"Go."

26
00:01:48,429 --> 00:01:52,229
Mike Curie/NASA Launch Commentator: Falcon
and DSCOVR passing through

27
00:01:52,229 --> 00:01:52,919
Max-Q.

28
00:02:12,240 --> 00:02:13,960
Mike Curie/NASA Launch Commentator: Two minutes
into the flight of Falcon and

29
00:02:14,010 --> 00:02:14,980
DSCOVR.

30
00:02:14,980 --> 00:02:16,860
Launch Controller: Vehicle remains on a nominal
trajectory.

31
00:02:16,870 --> 00:02:21,240
Altitude 33.9 kilometers. Down range distance
20.9 kilometers.

32
00:02:21,240 --> 00:02:24,550
Speed 1,468 meters per second.

33
00:02:27,180 --> 00:02:29,500
Mike Curie/NASA Launch Commentator: Standing
by for the first-stage engines to

34
00:02:29,530 --> 00:02:36,530

shut down. First-stage cutoff in about 23 seconds.

35
00:02:43,620 --> 00:02:45,660
Launch Controller: Vehicle remains on a nominal trajectory.

36
00:02:45,670 --> 00:02:50,260
Altitude 57.9 kilometers. Down range distance 50.0 kilometers.

37
00:02:50,260 --> 00:02:54,820
Speed 2,350 meters per second.

38
00:03:01,060 --> 00:03:02,880
Launch Controller: We have MECO1.

39
00:03:02,880 --> 00:03:03,980
Mike Curie/NASA Launch Commentator: And we have Main Engine Cutoff.

40
00:03:03,980 --> 00:03:05,510
Launch Controller: Separation confirmed.

41
00:03:06,940 --> 00:03:10,760
Mike Curie/NASA Launch Commentator: Second stage engine ignition . . .

42
00:03:11,420 --> 00:03:14,020
Launch Controller: And we have Stage 2 engine ignition.

43
00:03:14,560 --> 00:03:17,300
Mike Curie/NASA Launch Commentator: has occurred on time.

44
00:03:26,180 --> 00:03:31,730
The Falcon 9 Merlin vacuum engine producing 92,000 pounds of thrust,

45
00:03:31,730 --> 00:03:36,830
continuing to carry DSCOVR to its place in space.

46
00:03:40,340 --> 00:03:46,040
Standing by for the fairing jettison, this will expose DSCOVR to space for the first