



1
00:00:16,910 --> 00:00:06,140
t-minus ten nine eight seven six five

2
00:00:19,910 --> 00:00:16,920
four three two one zero and liftoff the

3
00:00:22,040 --> 00:00:19,920
Falcon takes flight propelling the

4
00:00:24,590 --> 00:00:22,050
deep-space climate Observatory on a

5
00:00:31,640 --> 00:00:24,600
million mile journey to protect our

6
00:00:34,420 --> 00:00:31,650
planet earth if the earth had leave

7
00:00:55,340 --> 00:00:34,430
detection at about 55 that is to use a

8
00:01:03,259 --> 00:00:57,889
at 13 seconds after liftoff Falcon I

9
00:01:12,200 --> 00:01:03,269
will reach supersonic speed 50 seconds

10
00:01:18,390 --> 00:01:15,290
Falcon 9 basking in the glow of a sunset

11
00:01:20,300 --> 00:01:18,400
altitude six point five kilometers

12
00:01:27,050 --> 00:01:20,310
average distance one point three

13
00:01:32,370 --> 00:01:29,780

recovery has acquisition of signal

14

00:01:37,710 --> 00:01:32,380
standing by to pass through the maximum

15

00:01:42,780 --> 00:01:37,720
diet Erin I infrasonic dr. nine is

16

00:01:46,710 --> 00:01:42,790
supersonic people have real sex I'd

17

00:01:49,140 --> 00:01:46,720
aerodynamic pressure Thursday stopped is

18

00:01:51,990 --> 00:01:49,150
still nominal everything go Don Calogero

19

00:02:07,540 --> 00:01:52,000
main nominal Falcon and discover passing

20

00:02:14,450 --> 00:02:12,950
and that is chilling in two minutes into

21

00:02:27,040 --> 00:02:14,460
the flight of value number seven on a

22

00:02:42,880 --> 00:02:32,360
the first stage engines to shut down for

23

00:02:49,460 --> 00:02:45,010
vehicle remains on nominal trajectory

24

00:02:54,140 --> 00:02:49,470
altitude 57.9 kilometers down resistance

25

00:03:00,420 --> 00:02:54,150
to 50.0 kilometers be to 350 meters per

26
00:03:07,170 --> 00:03:03,330
will be go on and we have main engine

27
00:03:13,349 --> 00:03:07,180
calibration confirmed second stage

28
00:03:25,110 --> 00:03:13,359
engine ignition and we as stage 2 engine

29
00:03:31,170 --> 00:03:28,330
the Falcon 9 Merlin vacuum engine

30
00:03:34,540 --> 00:03:31,180
producing 92 thousand pounds of thrust

31
00:03:41,320 --> 00:03:34,550
continuing to carry discover to its

32
00:03:43,990 --> 00:03:41,330
place in space standing by for the

33
00:03:52,000 --> 00:03:44,000
fairing jettison this will expose

34
00:04:10,940 --> 00:03:52,010
discover to space for the first time and

35
00:04:10,950 --> 00:04:21,099
pitesti propulsion is still noble

36
00:04:21,109 --> 00:04:26,469
dollars lunch is still an animal a