



134:06

1  
00:00:07,550 --> 00:00:05,360  
from the NASA mission directors Center

2  
00:00:10,370 --> 00:00:07,560  
at Vandenberg Air Force Base in

3  
00:00:16,010 --> 00:00:10,380  
California this is Delta launch control

4  
00:00:20,000 --> 00:00:16,020  
at t-minus 164 minutes 43 seconds and

5  
00:00:22,970 --> 00:00:20,010  
counting we're less than three hours

6  
00:00:24,710 --> 00:00:22,980  
away now from the launch of the National

7  
00:00:26,920 --> 00:00:24,720  
polar-orbiting operational environmental

8  
00:00:31,580 --> 00:00:26,930  
satellite system preparatory project

9  
00:00:33,710 --> 00:00:31,590  
known as NPP it is NASA's newest weather

10  
00:00:36,620 --> 00:00:33,720  
monitoring and climate observation

11  
00:00:39,139 --> 00:00:36,630  
satellite this is the first mission

12  
00:00:40,850 --> 00:00:39,149  
designed to collect critical data to

13  
00:00:43,580 --> 00:00:40,860

improve weather forecasts in the short

14

00:00:47,090 --> 00:00:43,590

term and increase our understanding of

15

00:00:49,910 --> 00:00:47,100

climate change in the long term npp

16

00:00:52,280 --> 00:00:49,920

continues a long history of observing

17

00:00:55,720 --> 00:00:52,290

Earth from space something in NASA has

18

00:00:58,910 --> 00:00:55,730

pioneered for more than 40 years a

19

00:01:02,420 --> 00:00:58,920

United Launch Alliance Delta 2 is the

20

00:01:05,709 --> 00:01:02,430

rocket to loft NASA's NPP satellite into

21

00:01:08,379 --> 00:01:05,719

a 512 mile high circular polar orbit

22

00:01:11,239 --> 00:01:08,389

circling the Earth 14 times a day

23

00:01:13,669 --> 00:01:11,249

between the satellites orbit and the

24

00:01:16,730 --> 00:01:13,679

Earth's rotation every location on Earth

25

00:01:20,260 --> 00:01:16,740

can be surveyed twice a day launch

26  
00:01:24,980 --> 00:01:20,270  
window this morning extends from 248

27  
00:01:30,830 --> 00:01:24,990  
0122 57 11 a.m. pacific time a duration

28  
00:01:34,039 --> 00:01:30,840  
of nine minutes and 10 seconds the

29  
00:01:35,989 --> 00:01:34,049  
launch countdown terminal countdown

30  
00:01:40,550 --> 00:01:35,999  
sequence began here in the mission

31  
00:01:44,480 --> 00:01:40,560  
directors Center at about eleven forty

32  
00:01:47,089 --> 00:01:44,490  
eight about 15 minutes ago the RP one

33  
00:01:48,919 --> 00:01:47,099  
fuel was loaded aboard yesterday

34  
00:01:51,769 --> 00:01:48,929  
afternoon starting at around three

35  
00:01:54,199 --> 00:01:51,779  
o'clock the RP one fuel is a highly

36  
00:01:56,599 --> 00:01:54,209  
refined kerosene that can be loaded

37  
00:01:59,120 --> 00:01:56,609  
award ahead of the terminal count if

38  
00:02:01,729 --> 00:01:59,130

desired and that was done yesterday

39

00:02:03,469 --> 00:02:01,739

afternoon as it was placed onto the

40

00:02:05,479 --> 00:02:03,479

Delta first stage and right now in the

41

00:02:11,270 --> 00:02:05,489

countdown that system is being

42

00:02:17,820 --> 00:02:13,890

we're now at t minus one hundred thirty