1
00:00:01,820 --> 00:00:04,430
\h George Diller/NASA Launch Commentator: From Vandenberg Air Force Base in California,

2
00:00:04,430 --> 00:00:12,780
\h this is Atlas Launch Control at T-minus two hours, five minutes, 28 seconds and counting.

3
00:00:12,780 --> 00:00:16,410
\h We're now just slightly more than two hours and 45 minutes away

4
00:00:16,410 --> 00:00:21,360
\h from the actual launch of NASA's Landsat Data Continuity Mission.

5
00:00:21,360 --> 00:00:25,520
\h Liftoff will be atop a United Launch Alliance Atlas V rocket

6
00:00:25,520 --> 00:00:30,180
\h from Space Launch Complex-3 located on south Vandenberg.

7
00:00:30,180 --> 00:00:39,270
\h (The) launch window today extends from 10:02 to 10:50 a.m. Pacific time, a duration of 48 minutes.

8
00:00:39,270 --> 00:00:43,910
\h The Landsat Data Continuity Mission, or LDCM, is the latest in the

9
00:00:43,910 --> 00:00:48,610
\h Landsat series which embraces new, advanced Earth-monitoring technology.

10
00:00:48,610 --> 00:00:53,590
\h It will continue the Landsat Program's legacy of serving a crucial role in monitoring,

11
00:00:53,590 --> 00:01:00,570
\h understanding and managing earth's resources from space, including our forest, water and agriculture.

12
00:01:00,570 --> 00:01:04,440
\h The satellite has a design life of not less than five years and enough

13
00:01:04,440 --> 00:01:08,180

\h fuel to sustain it on orbit for 10 years.

14
00:01:08,180 --> 00:01:11,410
\h The Landsat Data Continuity Mission is a partnership between

15
00:01:11,410 --> 00:01:16,880
\h NASA and the U.S. Department of the Interior's U.S. Geological Survey.

16
00:01:16,880 --> 00:01:20,790
\h After three months of checkout by NASA, the observatory will be turned

17
00:01:20,790 --> 00:01:28,570
\h over to USGS for operation and will assume the new designation of Landsat 8.

18
00:01:28,570 --> 00:01:39,360
\h We've just completed a weather briefing to the launch team and our forecast continues to be very favora

19
00:01:39,360 --> 00:01:46,280
\h Right now there is still a zero percent chance of not meeting our launch weather criteria today.

20
00:01:46,280 --> 00:01:51,090
\h The temperature launch time is forecast to be near 43 degrees with a

21
00:01:51,090 --> 00:01:56,940
\h relative humidity at 89 percent and wind at approximately at 5 knots.

22
00:01:56,940 --> 00:02:08,960
\h No significant clouds or weather. Fog is remaining offshore and there is nothing on the radar.

23
00:02:08,960 --> 00:02:13,100
\h So at this time we're into our preparations for beginning our fueling

24
00:02:13,100 --> 00:02:21,410
\h activity for loading the propellants onboard the Atlas and Centaur stages.