



1

00:00:01,530 --> 00:00:05,910

\h George Diller/NASA Launch Commentator: T-10 . . . nine . . . eight . . . seven . . .

2

00:00:05,910 --> 00:00:14,790

\h six . . . five . . . four . . . three . . . two . . . one . . . zero

3

00:00:14,790 --> 00:00:20,600

\h and liftoff of the Atlas V rocket with TDRS-K, broadening,

4

00:00:20,600 --> 00:00:32,680

\h enhancing and improving the capability of space-based tracking.

5

00:00:32,680 --> 00:00:35,800

\h Marty Malinowski/Ascent Commentator: Roll program has begun, body rates look good.

6

00:00:35,800 --> 00:00:47,740

\h Inaudible Battery voltages are stable. Booster engine continues to operate well.

7

00:00:47,740 --> 00:01:04,080

\h Pump speeds are within parameters. Boost pump pressures are good.

8

00:01:04,080 --> 00:01:11,870

\h Currently accelerating at 1.4 g's. Engine operation continues to be excellent.

9

00:01:11,870 --> 00:01:34,500

\h Roll program is complete. Booster view is now operating close-loop control. (Rumbling)

10

00:01:34,500 --> 00:01:55,020

\h Marty Malinowski/Ascent Commentator: Mach 1. Max Q. Body rates continue to look very good.

11

00:01:55,020 --> 00:01:59,860

\h Booster has throttled back right on schedule. Engine response looks good.

12

00:01:59,860 --> 00:02:10,450

\h Currently accelerating at 1.8 g's. Current altitude is 13 miles,