



1
00:00:00,000 --> 00:00:02,440

And
so here we go.

2
00:00:02,580 --> 00:00:16,360

T-minus 10 seconds, nine, eight, seven, six,
five four, three, two, one, zero ... and liftoff

3
00:00:16,360 --> 00:00:22,420

of our Solar Orbiter, an international collaboration
to give us new images and a better understanding

4
00:00:22,520 --> 00:00:25,100

of our life-giving star.

5
00:00:31,320 --> 00:00:35,580

Now you hear the voice of Patrick Moore,
ULA's launch commentator.

6
00:00:35,620 --> 00:00:42,260

ULA Launch Commentator Patrick Moore: Now
25 seconds into flight; pressure on the SRB

7
00:00:42,260 --> 00:00:44,050

looks good.

8
00:00:44,050 --> 00:00:45,050

Inaudible.

9
00:00:45,050 --> 00:00:47,260

Good report so far.

10
00:00:47,260 --> 00:00:51,900

Atlas V beginning to ... And at 35 seconds in, vehicle is completing
the pitch over maneuver.

11
00:00:51,900 --> 00:00:54,620

Now 41 seconds into flight,

12

00:00:54,620 --> 00:01:00,200

Forty-five seconds into flight — everything is looking good.

13

00:01:00,200 --> 00:01:04,830

We heard that the RD-180 engine was operational ... RD-180 throttling down as

14

00:01:04,830 --> 00:01:07,960

expected; engine response looks good.

15

00:01:07,980 --> 00:01:11,900

Now they're going to pull those engines down for just a little bit as we anticipate

16

00:01:11,960 --> 00:01:12,960

Max-Q.

17

00:01:20,920 --> 00:01:24,920

Vehicle is now passing through Max-Q, maximum dynamic pressure.

18

00:01:25,700 --> 00:01:29,820

Maximum dynamic pressure is the period of maximum mechanical stress on the rocket because