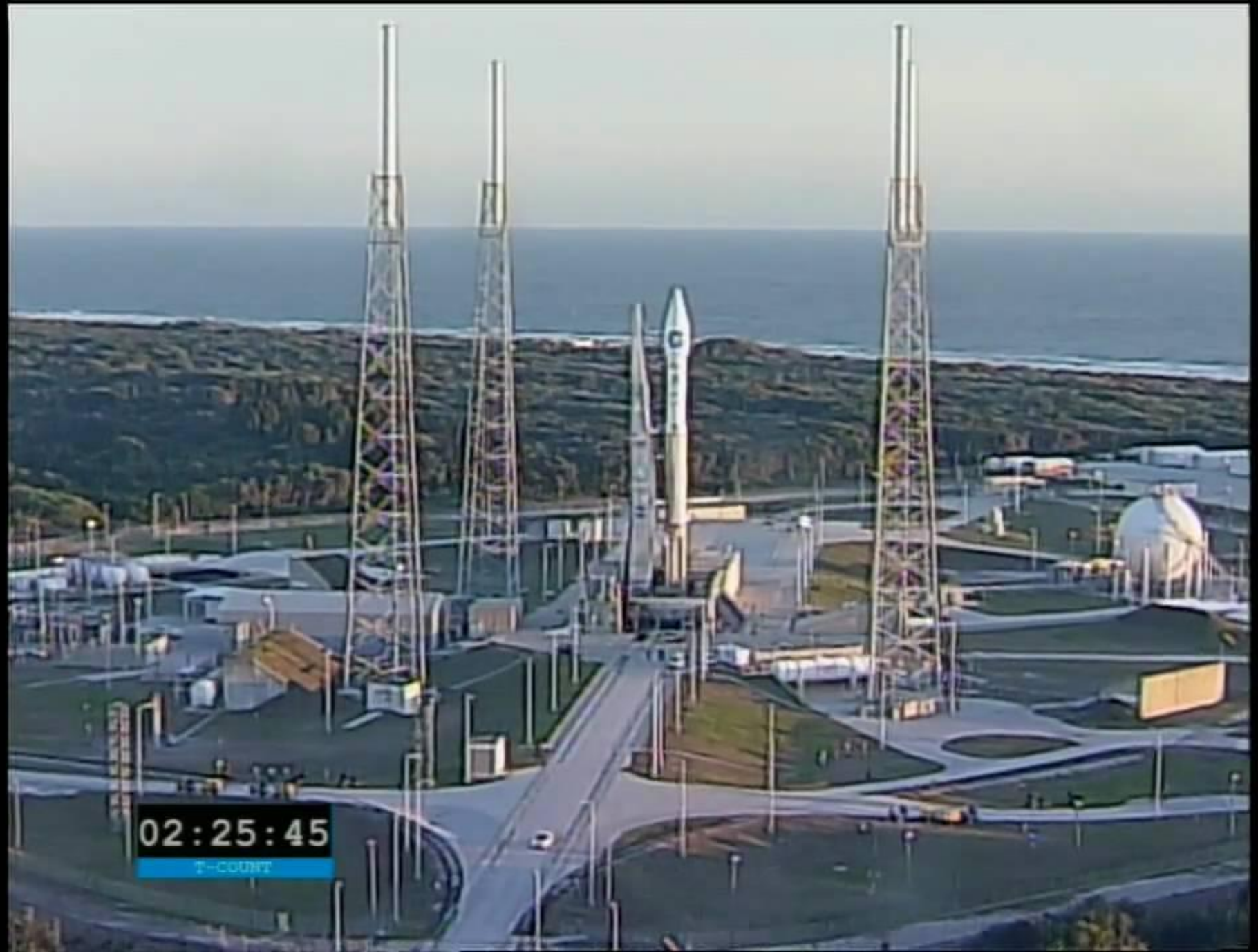
02:25:45
T-COUNT

1
00:00:00,770 --> 00:00:03,570
\h George Diller/SDO Launch Commentator:
This is Atlas Launch Control at T minus two

2
00:00:03,570 --> 00:00:08,730
\h hours, 26 minutes, 28 seconds and counting.

3
00:00:08,730 --> 00:00:16,480
\h We are live from the Atlas Spaceflight
Operations Center at Launch Complex-41
where we are awaiting the

4
00:00:16,480 --> 00:00:27,320
\h liftoff of the Atlas V rocket with the Solar Dynamics Observatory, targeted for 10:23 this morning.

5
00:00:27,320 --> 00:00:33,500
\h So, we're just over three hours away from the liftoff of the Atlas V.

6
00:00:33,500 --> 00:00:41,710
\h SDO is a five-year mission that will deliver solar images with 10 times better resolution than high-definiti

7
00:00:41,710 --> 00:00:48,600
\h SDO will observe the sun from its deep interior to the outermost layers of the solar atmosphere.

8
00:00:48,600 --> 00:00:53,820
\h The mission will focus on the cause of severe space weather, including solar activities,

9
00:00:53,820 --> 00:00:59,260
\h such as sun spots,
solar flares and the effects of the solar wind.

10
00:00:59,260 --> 00:01:05,540
\h Space weather can affect radio and satellite communications, navigation and GPS systems,

11
00:01:05,540 --> 00:01:16,690
\h and electric power grids. It can also pose a threat to astronauts in space and airplane crews flying near

12
00:01:16,690 --> 00:01:24,220

\h At this point in the countdown, everything is "go" from the standpoint of our Atlas V rocket.

13
00:01:24,220 --> 00:01:32,010
\h And we have also verified the readiness of the downrange tracking stations to support, including the sta

14
00:01:32,010 --> 00:01:43,440
\h the Air Force tracking station at Jupiter Inlet in south Florida, and our Antigua Island tracking station.

15
00:01:43,440 --> 00:01:49,520
\h Also, we have completed data flows through the Tracking and Data Relay Satellite System.