

19 HAMMERHEAD



80:14

N



1
00:00:00,840 --> 00:00:04,280

Tracy Young/Launch Commentator: From the Mission Director's Center on Vandenberg Air Force Base,

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00:00:04,280 --> 00:00:10,630

this is Delta Launch Control at T minus one hour, 21 minutes and counting.

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00:00:10,630 --> 00:00:16,310

The countdown for this morning's launch of the Delta II rocket is proceeding as planned.

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00:00:16,310 --> 00:00:21,390

The launch team is currently working no technical issues and weather is favorable with a

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00:00:21,390 --> 00:00:27,120

100 percent chance of acceptable conditions at launch time.

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00:00:27,120 --> 00:00:39,730

The temperature expected at liftoff is about 52 degrees and visibility is expected to be about 2 to 3 miles due to

7
00:00:39,730 --> 00:00:45,060

NASA Launch Manager Omar Baez just completed a poll to verify the readiness the launch

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00:00:45,060 --> 00:00:52,710

team to continue with the count and proceed with the loading of liquid oxygen aboard the Delta vehicle.

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00:00:52,710 --> 00:01:00,770

And we are standing by to begin cryogenic loading of the Delta's first stage in a couple of minutes.

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00:01:00,770 --> 00:01:10,700

Our launch window extends for five minutes, with liftoff targeted at the opening of the window at 7:20 a.m. Paci

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00:01:10,700 --> 00:01:19,630

Launching aboard a United Launch Alliance Delta II rocket is the Aquarius science instrument and the SAC-D s

12
00:01:19,630 --> 00:01:24,450

The mission is a collaboration between NASA and Argentina's space agency,

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00:01:24,450 --> 00:01:30,480

with participation from Brazil, Canada, France and Italy.

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00:01:30,480 --> 00:01:39,140

The NASA Aquarius instrument will provide global observations of the concentration of dissolved salt at the ocean surface.

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00:01:39,140 --> 00:01:46,840

enabling scientists to better understand the link between ocean circulation and Earth's climate.

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00:01:46,840 --> 00:01:52,220

The SAC-D observatory will carry seven other instruments that will collect environmental

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00:01:52,220 --> 00:01:57,790

data with a wide range of applications and science objectives.

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00:01:57,790 --> 00:02:02,750

The SAC-D satellite is provided by Argentina's space agency, CONAE,

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00:02:02,750 --> 00:02:08,200

and was built by the technology company INVAP in Argentina.

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00:02:08,200 --> 00:02:14,620

The Aquarius instrument was built by NASA's Jet Propulsion Laboratory in Pasadena, Calif.,