



## **Atlas V to Launch the Fifth Mobile User Objective System (MUOS-5)**

**Rocket/Payload:** An Atlas V 551 will launch the U.S. Navy's fifth Mobile User Objective System (MUOS-5) satellite, built by Lockheed Martin.

**Date/Site/Launch Time:** Thursday, May 5, from Space Launch Complex-41 at Cape Canaveral Air Force Station, Florida. The 44-minute launch window opens at 10:30 a.m. EDT.

**Webcast:** The live broadcast will begin at 10:10 a.m. EDT. The high-definition launch broadcast is also available via satellite:

Satellite: SES 2

Carrier: SES Americom

Transponder: 11

Band: C-Band Digital

Orbital Position: 87 degrees west

HD Bandwidth: 18 MHz (Half Transponder 'AB')

Downlink Frequency: 3911 MHz (Horizontal)

Uplink Frequency: 6136 MHz (Vertical)

Symbol Rate: 13

FEC:  $\frac{3}{4}$

Data Rate: 17.9705

DVBS-QPSK

MPEG-2

Audio Embedded

Bars and tone will begin at 9:39 a.m. EDT

**Mission Description:** The fifth Mobile User Objective System (MUOS-5) satellite is the latest addition to a network of orbiting satellites and relay ground stations that is revolutionizing secure communications for mobile military forces. Users with operational MUOS terminals can seamlessly connect beyond line-of-sight around the world and into the Global Information Grid. MUOS' new commercial, cellular-based capabilities include simultaneous, crystal-clear voice, video and mission data, over a secure high-speed Internet Protocol-based system.

**Launch Notes:** MUOS-5 will mark the 63rd Atlas V since the vehicle's inaugural launch in August 2002. MUOS-5 will be the seventh mission to launch in the 551 configuration; other missions launched in this configuration include rockets include four previous MUOS missions as well as the New Horizons mission to Pluto and the Juno mission to Jupiter.

**Launch Updates:** To keep up to speed with updates to the launch countdown, dial the ULA launch hotline at 1-877-852-4321 or join the conversation at [www.facebook.com/ulalaunch](http://www.facebook.com/ulalaunch), [twitter.com/ulalaunch](http://twitter.com/ulalaunch) and [instagram.com/ulalaunch](http://instagram.com/ulalaunch).

**Go Atlas! Go Centaur! Go MUOS-5!**