



United States Navy

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Mobile User Objective System-2 Situation Report July 31, 2013

After launching from Cape Canaveral Air Force Station, Fla., on an Atlas V launch vehicle July 19, 2013, MUOS-2 was placed in a transfer orbit.

During the subsequent 12 days after launch, MUOS-2 executed a series of seven Liquid Apogee Engine (LAE) burns to transition from transfer orbit to its geosynchronous orbit over the Pacific Ocean. The LAE burns, ranging from 23 to 52 minutes, maneuvered MUOS-2 to its test slot roughly 22,000 miles above Earth July 31, 2013.

To fit the inside the fairing atop of the Atlas V launch vehicle, MUOS-2 was launched in a "stowed," predeployed configuration. Over a 36-hour span after reaching the test slot, MUOS-2 executed all of its deployments, to include the solar arrays, which span a total of 94 feet, its 14-meter antenna and its 5-meter antenna.

Contractor On-Orbit Testing commenced after deployments. This testing, along with On-Orbit System Validation, is designed to verify satellite requirements and validate system operation. Contractor On-Orbit Testing and System Validation are expected to last 90 days.

Currently, all systems are working normally.

About MUOS

MUOS is the next generation narrowband military satellite communication system that supports a worldwide, multi-Service population of users in the ultra-high frequency band. The system provides increased communications capabilities to smaller terminals while still supporting interoperability with legacy terminals. MUOS is designed to support users that require greater mobility, higher data rates and improved operational availability.