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NASA Selects Launch Services for Global Surface Water Survey Mission

[NASA [press release](#), November 22, 2016] NASA has selected Space Exploration Technologies (SpaceX) of Hawthorne, California, to provide launch services for the agency's Surface Water and Ocean Topography (SWOT) mission. Launch is targeted for **April 2021** on a **SpaceX Falcon 9 rocket** from Space Launch Complex 4E at Vandenberg Air Force Base in California.

The total cost for NASA to launch SWOT is approximately \$112 million, which includes the launch service; spacecraft processing; payload integration; and tracking, data and telemetry support.

Designed to make the first-ever global survey of Earth's surface water, in addition to high-resolution ocean measurements, the SWOT mission will collect detailed measurements of how water bodies on Earth change over time. The satellite will survey at least **90%** of the globe, studying Earth's lakes, rivers, reservoirs and oceans, at least twice every **21** days, aid in freshwater management around the world, to improve ocean circulation models and weather and **climate** predictions. The SWOT spacecraft will be jointly developed and managed by NASA and the **French space agency Centre National d'Etudes Spatiales (CNES)**.

NASA's Launch Services Program at Kennedy Space Center in Florida will manage the SpaceX launch service. The SWOT Project office at NASA's Jet Propulsion Laboratory in Pasadena, California, manages spacecraft development for the agency's Science Mission Directorate in Washington.

Link 1: <http://www.jpl.nasa.gov/missions/surface-water-and-ocean-topography-swot/>

Link 2: <https://swot.cnes.fr>



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