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JOINT POLAR SATELLITE SYSTEM EARLY MISSION RESULTS, DEVELOPMENT STATUS, AND
PLANS**Abstract**

The United States next generation polar orbiting environmental satellite system, the Joint Polar Satellite System (JPSS), is well into its fourth year as a program. JPSS program completed formulation in 2013 establishing a formal program baseline consisting of requirements, missions, budget and schedule. The JPSS baseline has a sharp focus on the weather mission as its first priority, and supplies data products critical to all of NOAA's missions, and those of NOAA's many mission partners. JPSS program's first mission, the joint NOAA / NASA Suomi – National Polar-orbiting Partnership mission (S-NPP), is in its third year of flight operations and is meeting or exceeding expectations for observation and data product quality. JPSS second mission, JPSS-1, is on track for an early 2017 launch. JPSS third mission, JPSS-2, is in development for a 2021 launch. The status of S-NPP operational results, JPSS-1 and JPSS-2 developments, and insight into JPSS plans are provided in this paper.