

GRIFEX Public Summary

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GRIFEX is a 3U CubeSat funded by NASA ESTO and developed by JPL and the Michigan Exploration Laboratory (MXL) at the University of Michigan. The primary payload of GRIFEX will provide spaceborne performance verification of a state-of-the-art ROIC/FPA (Read Out Integrated Circuit/Focal Point Array) with an unprecedented frame rate of 16 kHz for imaging interferometry instruments and missions, including GEO-CAPE (Geostationary Coastal and Air Pollution Events). GRIFEX contains a coarse imaging system for providing imagery to the ROIC/FPA testbed. The secondary mission of GRIFEX is to train next generation engineers. GRIFEX was built and integrated at MXL. NASA's CubeSat Launch Initiative provide the launch on 31 January 2015 from Vandenberg Air Force Base onboard a Delta-II rocket carrying the SMAP mission. The orbit is approximately 440 km x 670 km with an inclination of 99.12 degrees.