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RESULTS AND PROGRAM STATUS OF RADARSAT-1

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ABSTRACT

RADARSAT 1 is Canada's first Earth Observation satellite and it carries a C-band Synthetic Aperture Radar (SAR) payload operating at HH polarization. Launched in 1995 for a mission design life of five years, it continues to provide multi-mode SAR observations to a global user base. As such RADARSAT 1 mission has accomplished much including the first high resolution mapping of Antarctica to operational surveillance of ice and oil pollution in the Arctic; systematic acquisitions under Background Mission, Disaster Watch, Hurricane Watch and Canadian Interferometer Mission coverage. In this paper we provide an overview of the evolution of RADARSAT 1 mission since its launch and summarize significant results to-date.