



## **Cryosat-2: ESA's ice explorer mission. 8 years in operations: status and future outlook**

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CryoSat-2 was launched ten years ago, on the 8th April 2010 and it is the first European ice mission dedicated to monitoring precise changes in the thickness of polar ice sheets and floating sea ice. CryoSat-2 carries an innovative radar altimeter called the Synthetic Aperture Interferometric Altimeter (SIRAL) with two antennas and with extended capabilities to meet the measurement requirements for ice-sheets elevation and sea-ice freeboard. Results have shown that data is of high quality thanks to an altimeter that is behaving exceptional well within its design specifications.

Since its launch, CryoSat data has been used by different scientific communities on a number of Earth Science topics also beyond its prime mission objectives, cryosphere. Scope of this paper is to describe the current mission status and provide programmatic highlights for the period 2018-2019.