



SWAP and LYRA onboard PROBA2, new EUV instruments for space weather monitoring and scientific analysis

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PROBA2 is an ESA micro-satellite, launched on November 2, 2009 from Russia. PROBA2 carries two solar monitoring instruments, the LYRA UV radiometer and the SWAP telescope (Sun Watcher using Active Pixel System detector and Image Processing) for coronal imaging and space weather monitoring. We will overview the technical characteristics, the performance of SWAP and LYRA and the opportunities brought by the PROBA2 platform. The available PROBA2 data products and services will be presented, giving special attention to the unique complementarity of the SWAP images as compared to SOHO/EIT, STEREO/SECCHI, and SDO/AIA. Similarly, the complementarity of LYRA data as compared to other radiometers as GOES, TIMED-SEE, SORCE will be discussed. SWAP and LYRA have an open data policy and data products are available in near-real time, up to one hour after the facts.