



## Space Weather and Particle Effects on the Orbital Environment of PROBA2

Matthew West (1), Dan Seaton (1), Marie Dominique (1), David Berghmans (1), Bogdan Nicula (1), Erik Pylsyer (1), Koen Stegen (1), and Johan De Keyser (2)

(1) Solar-Terrestrial Center of Excellence - SIDC, Royal Observatory of Belgium, Brussels, Belgium (mwest@oma.be), (2) Belgian Institute for Space Aeronomy, Brussels, Belgium

Data from the EUV imager SWAP and UV/EUV radiometer LYRA on board the PROBA2 spacecraft are regularly affected by space weather conditions along the spacecraft's orbital path. While these effects are generally removed from calibrated data intended for scientific analysis, they provide an interesting opportunity to characterize the evolution near-Earth space environment as the result of changing space weather conditions. Here we present an analysis of these space weather effects on PROBA2 observations and some conclusions about both the long-term evolution of the inner magnetosphere and short-term events driven by the active sun.