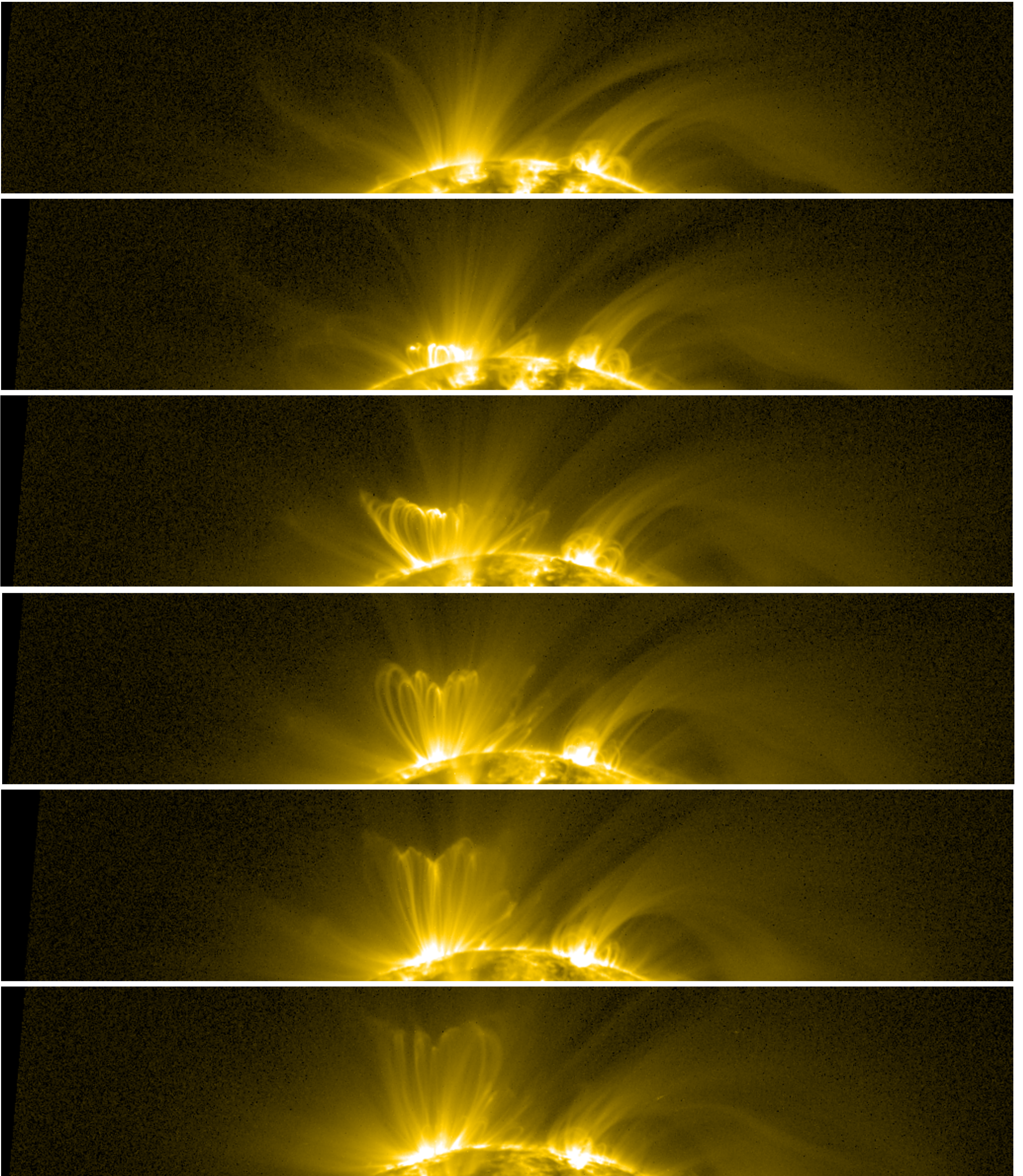


SWAP POST ERUPTION LOOPS



Post eruption loops are often seen in the wake of eruptive flares. These bright loops are usually interpreted as a signature of hot plasma trapped on magnetic field lines. These loops are generated from a process known as 'magnetic reconnection', where the magnetic topology is rearranged, releasing magnetic energy heating the local plasma.

On 2014 October 14 the SWAP extreme ultraviolet (EUV) solar telescope on-board the PROBA2 spacecraft observed an eruption that led to the formation of perhaps the largest post-eruptive loop system seen in the solar corona in the last solar cycle. SWAP observes the Sun at temperatures of roughly 1 million degrees, where these loops are seen as bright structures. The above series of images show the 'growth' of the loop system over a 2 day period.