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ASIM TGFs associated with high peak current strokes

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The Atmosphere-Space Interactions Monitor (ASIM) has been installed on board of the International Space Station in April 2018, successfully providing science data for 2.5 years. The Modular X- and Gamma-ray Sensor (MXGS) of ASIM is designed to detect Terrestrial Gamma-ray Flashes (TGFs) (short intense bursts of gamma-ray photons), produced during the initial breakdown phase of the +IC lightning discharges.

In this contribution we report and summarize the results on the ASIM TGFs associated with high peak current lightning detections (detected by GLD and WWLLN networks). High peak current detections tend to be associated with short duration TGFs and do not exhibit a tendency to correlate with the fluence of the TGF.