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STEREO solar wind suprathermal electron characteristics and the solar wind structure

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STEREO HI imaging is visually reminding us about the intrinsically unsteady nature of the solar wind, and in particular the wind from the streamer belt and the boundaries of coronal holes. The anisotropies of several hundred eV electrons measured by SWEA, a sensor of the IMPACT investigation, provides one way to infer the presence of transients as false polarity reversals and counterstreaming heat flux. We examine the evidence for such activity and its relationship to the large scale coronal magnetic field and open field regions during the period of low solar activity experienced by STEREO.