

S. Savage: Current Sheet and Reconnection Inflow-Outflow Observations During Solar Eruptions

Abstract Author(s): (1) Sabrina Savage, (1) Gordon Holman, (2) Kathy R. Reeves, (3) Daniel B. Seaton, (4) David E. McKenzie, (1) Yang Su

Institution(s): (1) NASA/GSFC, Greenbelt, MD; (2) Harvard-Smithsonian Center for Astrophysics, Cambridge, MA; (3) Royal Observatory of Belgium, Brussels, Belgium; (4) Montana State University, Bozeman, MT

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Magnetic reconnection is widely accepted as a dominant source of energy during solar flares; however, observations of it have been indirect and/or incomplete. Using the suite of instruments available spanning wavelength space, we will provide observations and measurements of both the inputs and outputs predicted from reconnection in the form of inflows preceding outflows (i.e. supra-arcade downflows, supra-arcade downflowing loops, upflows, and disconnection events). We will also present evidence for current sheets through which reconnection is expected to occur and discuss current sheet motion during flare progression.