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## MMS-SMART Library

This page provides access to a "library" of downloadable papers, presentations, and other material related to the SMART investigation and the MMS mission. It will be updated regularly as new material becomes available.

- [Fact Sheet from the SMART Concept Study Report, June 2004 \(8 MB\)](#)
- [Large MMS Poster \(3.5 MB\)](#)
- [Small MMS Poster \(1.2 MB\)](#)
- ["Technique for increasing dynamic range of space-borne ion composition instruments,"](#)\*\* a paper by J.L. Burch et al. describing the novel technique that enables MMS's Hot Plasma Composition (HPCA) instrument to reduce the proton background counts and measure minor ion species.
- [The Magnetospheric Multiscale Mission](#), a PowerPoint presentation given by SMART PI Jim Burch at the 2008 Huntsville Workshop on "The Physical Processes for Energy and Plasma Transport across Magnetic Boundaries" (14.4 MB)
- ["Reconnecting Magnetic Fields,"](#) an article from the September-October 2009 issue of "The American Scientist" by SMART PI Jim Burch and SMART Theory Team member Jim Drake (.5 MB).

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