Exp Astron (2012) 33:403–443
DOI 10.1007/s10686-011-9239-0

ORIGINAL ARTICLE

AXIOM: advanced X-ray imaging of the magnetosphere

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Received: 12 April 2011 / Accepted: 28 June 2011 / Published online: 28 July 2011
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Abstract Planetary plasma and magnetic field environments can be studied in two complementary ways—by in situ measurements, or by remote sensing. While the former provide precise information about plasma behaviour, instabilities and dynamics on local scales, the latter offers the global view necessary to understand the overall interaction of the magnetospheric plasma with the solar wind. Some parts of the Earth's magnetosphere have been remotely

For up-to-date news of the AXIOM mission study see http://www.mssl.ucl.ac.uk/~gbr/AXIOM/.

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