

MAGNETOSPHERES OF SOLAR SYSTEM BODIES OTHER THAN EARTH: RESEARCH 2007-2009

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The field of planetary magnetospheres research is a highly active one. We are currently benefitting from dedicated missions such as Cassini at Saturn and Messenger at Mercury bringing us a wealth of new in situ data, and allowing significant discoveries to be made. We are also learning a great deal from remote sensing observations (such as the Hubble Space Telescope observations of Jupiter and Saturn), flybys (eg. New Horizons at Jupiter), and modelling studies. Selected highlights of the recent progress in these areas will be presented, and a forward look to the major questions which have arisen for future missions such as Juno, BepiColombo, and the planned Europa-Jupiter System Mission.

planetary magnetospheres

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