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Oceanography and Atmospheric Sci. ■ Atmospheric Physics

Towards Modeling the Magnetospheric Space Plasma Environment

Authors: [Michael Silevitch](#); [Elena Villalon](#); [NORTHEASTERN UNIV BOSTON MA](#)

Abstract: The research described in this report was focused into three related areas: (a) A study of nonadiabatic particle orbits and the electrodynamic structure of the coupled magnetosphere-ionosphere arc system. (b) An examination of electron acceleration and pitch angle scattering due to wave-particle interaction in the ionosphere and radiation belts. (c) A study of ionospheric modification research and the experimental results of Oedipus C satellite.

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