

Project Title:

Long-Term Dynamics of the Trapped Radiation Slot Region

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We propose to conduct a study of the long-term behavior of the slot region of the Earth's trapped radiation belts using data primarily from the NOAA POES spacecraft. This effort will cover over two solar cycles worth of data, and will concentrate primarily on the frequency and intensity of transient radiation belts such as the one observed in March 1991. The study will also develop a statistical description of the energetic proton flux levels experienced in the region 2

ROSES ID: NRA-01-OSS-01**Duration:****Selection Year:** 2002**Program Element:** Independent Investigation: Geospace LWS

Citations: