

CORRELATIVE STUDIES WITH RBSP

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- The objectives of NASA's Living With a Star (LWS) Radiation Belt Storm Probe (RBSP) mission are: (1) Which physical processes produce radiation belt enhancement events? (2) What are the dominant mechanisms for relativistic electron loss? (3) How do ring current and other geomagnetic processes affect radiation belt behavior? Although a stand-alone mission, RBSP will benefit from correlative studies with observations made by other spacecraft and ground-based observatories. In this presentation, we describe the broad range of such studies as a function of RBSP mission phase, pointing to the unique contributions of both the RBSP mission and the other observatories.