NONLINEAR PLASMA WAVES IN THE POLAR CAP BOUNDARY LAYER

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We show examples of solitary/nonlinear electric and magnetic plasma wave structures in the POLAR plasma wave data in regions called the Polar Cap Boundary Layer (PCBL). The wave mixture is a form of plasma turbulence and is related to enhanced low energy ions. We discuss the detailed feature of these waves, their global distribution and their possible interplanetary (WIND) control.

space plasmas

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5. None
6. No
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