

Energetic Particle Modulation in the inner magnetosphere

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The largest two of them were on 28 October and 4 November 2003 have been observed continuously by RAPID-IES onboard Cluster. Cluster was located on the duskside around 19 MLT near the magnetopause and not affected by any magnetospheric electron background at the time of the Oct. 28th and Nov 4th event. 2. The obvious energy dispersion signatures, first from low energy to high followed by high energy to low versus time have been observed for both giant X-ray bursts. 3. During Nov. 4, 2003 event, the RAPID instrument on s/c2 was in NM 3, the observation are made over the unit sphere. All of the counts shown in the plot for s/c2 were registered by the two pixels that see the disk of the sun.