

EQUATORIAL MAGNETOSONIC WAVES: RESULTS OF CLUSTER INNER MAGNETOSPHERE CAMPAIGN

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The Cluster Inner Magnetosphere Campaign ran from early July to the of November. Its goals were to produce high quality data sets from the wave instruments in order to investigate the role of wave particle interactions in the acceleration of particles. Observations were tailored to investigating the various wave modes that occur in the inner magnetosphere, namely Chorus, Magnetosonic, and EMIC waves. This paper reports on observations of magnetosonic waves seen on July 6th, 2013.