

The characteristics of high-energy electron measured by Tc1 at magnetopause

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TC-1 data on 20 January of 2005 showed that there is a burst region of high-energy electron at dayside magnetopause. The scale of the region in which the electron energy range is 0.2-0.4 Mev is much wider than the electron flux change more slowly. The scale of the region in which the electron energy range is 0.4-10 Mev is thinner. The electron flux change 2 orders in 10 minutes. It is to form a relativistic electron bulk whose width is from 220km to 450km.