

## **First results of Chinese Instruments on DSP**

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On board DSP satellites, there are four kinds of particle instruments manufactured by Center for Space Science and Applied Research (CSSAR): High energy electron detector (HEED, TC-1, 2), High energy protonon detector (HEED, TC-1, 2), High energy heavy ion detector (HID, TC-1, 2) and Low energy ion detector (LEID, TC-2). On board TC-2, there is a low frequency electromagnetic detector. This paper introduces briefly some preliminary results of these instruments. The particle instruments observed many particle events related to magnetic storm, and substorm. LFEW observed ULF/VLF wave activities in the plasmasphere. In some regions close to and in the plasmopause, LFEW observed many activities with larger frequency, whose characteristics are similar to those of Hiss waves. Many low frequency wave activities in the cusp region are observed by LFEW during the magnetic storm time. Some of them are likely to be Whisper. In the auroral region, LFEW also observe the proton cyclotron wave.