

The latest results of CSES mission

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The first probe of CSES (China Seismo-Electromagnetic Satellite) mission was launched on February 2nd, 2018 at an altitude of 507 km in the upper ionosphere. The CSES -01 operates 15.2 orbits around the Earth per day by a speed of 7.8 km/s, with a 5-day revisit period for the same area. The orbital period around the Earth is ~ 94.6 minutes. The first-hand scientific observations show that CSES has recorded a number of interesting natural events, showing its good inflight observing capability on natural phenomenon. In this presentation, we mainly introduce CSES' s observations of the geomagnetic field, the electromagnetic waves, the VLF radio waves, the geomagnetic event and earthquake activities.

Keywords: China seismo-electromagnetic satellite, the electromagnetic field, seismic-ionospheric disturbances