



## **Integrated Analysing on the CSES data around the Pacific Seismic belt in August 2018**

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China Seismo-Electro Magnetic Satellite (CSES), is the first space-based platform for for the China national geophysical fields exploring Satellite mission. CSES mission, which launched in the beginning of Feb,2018, offers the following products: Geomagnetic field, electromagnetic wave and spectrum; In-situ electron and ion density/temperature, ion drifting velocity; ionospheric structure parameters; Energetic Particle's flux and counts. These products will strong benefit the related scientific activities, such as the earthquake science and earthquake monitoring, the global magnetism and ionosphere model construction, great earthquake/volcano and magnetic storm analysis and multi-layers coupling mechanism research.

During the CSES onboard operation, there occurred a series of large earthquakes in and around Circum Pacific Seismic Belt in August 2018. We here extract all the CSES data in and around the Seismic Belt from July to Sept 2018, and computing the EM waves and plasma parameter information onboard. By distinguish the ionospheric disturbance before and after these events, we reach the draft results of possible precursors signals related with these events.