

## Status of the GEO-X (Geospace X-ray imager) mission

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Understanding of geospace environment, especially response of the Earth's magnetosphere to solar wind, is crucial for planetary and space science, astrophysics and space weather. GEO-X (GEOspace X-ray imager) is a small satellite mission aiming global imaging of the Earth's magnetosphere in X-rays. It is proposed to be launched in 2023-25, around which solar cycle 25 is expected to peak. In this paper, we present its science objectives and development of spacecraft, propulsion system, and payload based on cutting edge technologies.

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