

Electric and Magnetic field Observation Satellite : ELMOS

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<http://www.isas.jaxa.jp/home/rigaku/WG/ELMOS.pdf>

ELMOS is a small satellite system which observe electromagnetic environment at the low earth orbit. Although electromagnetic anomalies associated with earthquakes were occasionally observed by many satellites, event numbers are not still enough for statistical studies. Large earthquakes greater than magnitude 7 occur 10 to 20 times every year all over the world, so it is a reasonable that a dedicated satellite to observe most of these earthquakes is constructed. The ionospheric observation and space environment monitoring are already well established. Therefore, these approved technologies make it possible to construct a low-cost satellite for this study.