

Challenge of Earth observation using university-basis satellites

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Recently, small satellites with weigh of 1-50 kg developed and employed by universities have been launched and succeeded in downlink to the ground station. They survived over a half or one year regardless of undesirable conditions in space caused by significant Solar activities these years. Making use of advantage of small satellite, group in Tohoku University plans to develop and launch small satellites which are aiming to observe the cloud distribution and lightning flashes as well as to conduct a telemetry experiment for Tsunami alarm system.