

## Observations of equatorial atmosphere by the sophisticated lidar (2)

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We are constructing the sophisticated lidar system for studies of aeronomy of mesosphere and lower thermosphere (MLT) over Kototabang (West Sumatra), Indonesia in the equatorial region. Measurements of metallic species such as Fe, K, Ca, Ca ion and temperature structure in the mesopause region by the resonance scattering lidar are anticipated. We success to continuous observations of K density and Fe temperature profile over Tokyo by developed lidar system.