



Turbulent layer observations with the MU radar spatial and frequency domain interferometry techniques

K. Kawano(1)

(1)Univ. Toulon Var

Turbulent structures can be estimated with atmospheric radars. A frequency domain interferometry(FDI) technique has been studied to detect thin layers within a minimum range resolution. On the other hand, a spatial domain interferometry(SDI) technique has been studied to detect angles of arrival from scattering layers. In this presentation, we will show a case study observation by using both of SDI and FDI techniques with the middle and upper atmosphere (MU) radar, which is operated by Research Institute for Sustainable Humanosphere (RISH) Kyoto university, Japan, and discuss their structures.