

Behavior of Ionospheric E-region irregularities over Stanford, California

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An observation campaign "Stanford QP Experiment" (SQPE) was conducted in July-August 1998 to reveal behavior of field-aligned irregularities (FAI) in the ionospheric E-region in the American sector. By using the Frequency Agile Radar operated at 24.5MHz, we found intense QP (Quasi-Periodic) echoes from the E-region FAI. The QP echoes showed similar structures to those found in the Asian region from the MU radar and other observations. We have investigated differences between QP echoes in both regions.