

LARGE SCALE VARIATIONS IN SOLAR CORONAL DENSITY AND
MAGNETIC FIELDS

By

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Observations of the solar equatorial electron scattered coronal radiance made during the Skylab mission show characteristics which dramatically differ with time. The results may be interpreted as indicating a general simplification of the coronal magnetic field, and, in comparison with harmonic analysis of observed solar surface magnetic fields, as indicating a rapid response of outer coronal structures to abrupt changes in the global solar surface field structure.