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## Undulations on the equatorial edge of the auroral oval in the dusk sector

**M. Daae** (1), N. Østgaard (1) and B. Lewis (2)

(1) University of Bergen, (2) Southwest Research Institute

Large-scale waves, undulations, from four different events are being characterised and mapped out into the equatorial plane of the magnetosphere. It is believed that undulations originate from the interaction between hot injected plasma from the magneto-tale and cold plasma from plasmapsheric plumes. By analysing images from the Wideband Imaging Camera, WIC, on board the IMAGE satellite, undulations can be characterized with wavelengths of several hundred km to more then thousand km, and amplitudes of hundreds km. Undulations is more frequently located below 60Mlat than above, and the Dst-index (-60nT to -225nT) shows that they always occur close to peak storm time.