



An equatorial african magnetic network

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A network of 3 vector magnetic stations has been set up in equatorial Africa. This network is designed to monitor the activity of the equatorial electrojet, a day to day variable ionospheric current. Its activity is estimated adjusting an empirical model based on surface data. This model can then be used to subtract the equatorial electrojet contribution, and separate ionospheric and main fields at satellite altitude. The corresponding error on main field models is then evaluated.