

Auxiliary Material for

CalcDeltaB: An efficient post-processing tool to calculate ground-level magnetic perturbations from global magnetosphere simulations

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Introduction

The auxiliary material shows the time lines of the total magnetic perturbation computed by CalcDeltaB and the contributions from the different current systems (magnetosphere, field-aligned currents, ionosphere Hall- and Pedersen currents) for all the twelve magnetometer station positions (six auroral zone and high-latitude stations and six low- and mid-latitude stations) for the six events used in the dB/dt study (Table 1 in the paper). The contributions are ranked by RMS strength in Figure 5 in the paper.