

Global distribution of geomagnetic sudden commencement

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We have studied delay of the onset time of 3 SCs observed by the 210 meridian chain and the SAMNET at nearly same UT and obtained the following results; (1) the onset of the SC with largest amplitude (202nT at Kakioka) is almost simultaneous between the 210 chain and SAMNET but the time of the peak delays 20-40 sec from noon(210 chain) to early morning(SAMNET), (2) the onset time of other 2 SCs with smaller amplitude(40nT and 17 nT at Guam) shows 20-40 sec delay from the 210 chain and SAMNET.

In this presentation we will show the results of the analysis for more SCs observed by the both magnetometer chain stations.