

Progress of CREST study real time space weather simulation

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The project real time space weather simulation applied for CREST of JST was adopted in 2004 fiscal year, and up to now, the research has been done on two and a half years. This research topic is executed by the allotment of Kyushu University, NICT, and Meteorological College. Here the outline is reported about the result that has been obtained with JST CREST so far. CREST is abbreviation of the strategic creation research promotion business. JST decides the area of investigation that should be promoted at the period at that time, and the research topic is recruited to the area of investigation. The research topic reported here is adopted by the research area innovation of simulation technology constructing the foundation of practical use. Research topic real-time space weather simulation so far executed researches; (1)real-time magnetospheric simulation (2)detailed analysis of magnetospheric structure(3)sun solar wind coupling model (4)MHD particle simulation.