

Current status and prospect of STEL ground-based observations and collaboration

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This paper briefly describes the current status and the prospect of ground-based base and network observations, and national and international collaboration conducted by STEL/Nagoya Univ. During this 5-year fiscal period (2005-2009) STEL has been conducting CAWSES (Climate And Weather of the Sun-Earth System) as a central project and fostering leading research under the inter-university collaborative system. The project is supported by a newly introduced governmental research fund, which enables us to construct new observation instruments necessary for successful implementation of CAWSES, e.g., the Solar Wind Imaging Facility, Hokkaido HF radar. Our future strategy is to greatly foster this direction, with expanding base observations as multi-functional as possible, developing flexible multi-scale networks most suitable for several physical processes we are concerned, and contributing to global networks. We will also make our best effort to promote national and international collaboration and to foster coordinated ground-based and satellite conjugate observations.