VarSITI report

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VarSITI co-chairs
Good Afternoon.
Welcome to: Variability of the Sun and Its Terrestrial Impact (VarSITI)
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Variability of the Sun and Its Terrestrial Impact

The VarSITI program is the next scientific program of SCOSTEP (2014-2018)

VarSITI was defined based on a community effort in the form of a forum organized by the International Space Science Institute (ISSI) in Bern during May 7-8, 2013. The VarSITI program will strive for international collaboration in data analysis, modeling, and theory to understand how the solar variability affects Earth.

The VarSITI program will have four scientific elements that address solar terrestrial problems keeping the current low solar activity as the common thread:
- SEE (Solar Evolution and Extrema),
- MiniMax24/ISEST (International Study of Earth-affecting Solar Transients),
- SPEcIMEN (Specification and Prediction of the Coupled Inner-Magnetospheric Environment),
- ROSMIC (Role Of the Sun and the Middle atmosphere/thermosphere/ionosphere In Climate).
20 articles accepted so far
Special issue of PEPS with review papers on the whole VarSITI program and its 4 projects: SEE, ISEST-MiniMax, SPeCIMEN, and ROSMIC

Shiokawa and Georgieva, *A review of the SCOSTEP’s 5-year Scientific program VarSITI – Variability of the Sun and Its Terrestrial Impact*

Nandy, Martens, Obridko et al., *Solar Evolution and Extrema: Current State of Understanding*


Kanekal and Miyoshi, *Dynamics of the terrestrial radiation belts: A review of recent results during the VarSITI (Variability of the Sun and Its Terrestrial Impact) era, 2014-2018*

Ward, Seppälä et al., *Role Of the Sun and the Middle atmosphere/thermosphere/ionosphere In Climate (ROSMIC): A retrospective and prospective view*