

**Solar Variations and Climate Change: The view from ice cores**

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Over the period of a sunspot cycle the SORCE mission has been extremely successful and has provided us with a fantastic high-resolution record of solar variations. However, the sunspot record already indicates that there are also secular and cyclic variations on longer time scales as well as extended periods of very low solar activity such as the Maunder Minimum.

An ice core can be considered as a natural archive that records continuously and simultaneously information about solar variations and climate change for periods of thousands of years. However, this information cannot be compared directly to instrumental data regarding temporal resolution and accuracy. Nevertheless, it reveals some interesting new.