

Maintaining the Continuation of Long-term Satellite Total Solar Irradiance Observation – thoughts from an NRC review

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This presentation reviews the findings of a National Research Council (NRC) committee convened to evaluate NOAA's plan for mitigating the gap in solar irradiance data in part through the implementation of the interim TCTE (TSI Continuity Transfer Experiment). The evaluation addresses:

- Whether the plan reflects the science content of two papers commissioned by NOAA
- Whether potential alternative method proposed maintains the integrity data record
- Whether the plan adequately summarizes the strengths and weakness of the proposed approach, and
- Whether the plan and related studies fully explore the implications of loss of changes in measurement on the understanding of Earth's climate system and processes.

The findings of the study in all areas will be addressed and with broader implications discussed.