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SAGE III/ISS: Status Update, Science, and New Data

The Stratospheric Aerosol and Gas Experiment (SAGE) III on the International Space Station (ISS) has now completed 8 years of successful operation. Performing solar and lunar occultation measurements that provide vertical profiles of aerosol extinction and key trace gases such as ozone and water vapor, the SAGE III/ISS data record has proven invaluable for assessing the impact of volcanic eruptions and large wildfires on the stratosphere and upper troposphere as well as contributing to the long-term monitoring of the health of the ozone layer. This talk will give an update to the health and status of the SAGE III/ISS instrument, focus on key science highlights over the past few years, discuss the changes associated with the recently released version 6.0 data products, and talk about the future of SAGE measurements.

Topic

Current and past limb and occultation instruments: algorithms, products, validation

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