



An initial evaluation of ozone measurements from SAGE III/ISS

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The Stratospheric Aerosol and Gas Experiment (SAGE) III is a solar occultation instrument installed on the International Space Station (ISS) that has been providing vertically resolved measurements of aerosol extinction, ozone concentrations, and other trace gases. With a legacy going back to the late 1970s, SAGE ozone measurements have been a vital contributor to international ozone assessments and analyses on stratospheric ozone trends. As the newest SAGE instrument, SAGE III/ISS will continue to provide high precision profiles of ozone that will help determine if the Montreal Protocol has been successful in enabling the recovery of the ozone layer. However, as is a necessary step for all new instruments, a rigorous validation of the data quality is required to determine if the data is sufficient for incorporation into trend analyses. Herein we discuss an initial evaluation of the quality of vertical profiles of ozone derived from SAGE III/ISS measurements.