

SMILES レベル 2 バージョン 2.1 成層圏オゾンの検証結果について Validation of the SMILES Level 2 version 2.1 stratospheric ozone

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Superconducting Submillimeter-Wave Limb-Emission Sounder (SMILES) onboard International Space Station has provided global measurements of ozone (O₃) profiles in the middle atmosphere from 12 October 2009 to 21 April 2010. We present validation studies of the SMILES version 2.1 ozone product in the stratosphere using other data sources: satellite data and chemical-climate models. The SMILES ozone data agree with most of other satellites data within 10- 15% at an altitude between 20 km and 50 km.

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