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会場:102

時間:5月23日 16:00-16:15

SMILESによる一酸化塩素ラジカルの日変化観測 Diurnal variation of ClO observed with SMILES

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A new generation of super-sensitive submillimeter-wave receivers, employing SIS (Superconductor-Insulator- Superconductor) technology, will provide new opportunities for precise remote sensing observation of minor constituents in the atmosphere. SMILES had been launched at 11/09/2009, and installed on the Japanese Experiment Module (JEM) in the International Space Station (ISS). SMILES is a collaboration project between NICT and JAXA.

SMILES has observed the diurnal observation of ClO, HOCl, HO₂, and HCl from October 12, 2009 to April 21, 2010. We will present 1) the result of the evaluation of ClO data quality, including inter-comparison between other satellites measurements and error analysis, and 2) the first simultaneous observations of ClO, HOCl, HO₂, and HCl.