

Ozone depletion observed by ADEOS/ILAS inside the polar vortex in 1996/97 winter to spring

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The Improved Limb Atmospheric Spectrometer (ILAS) is a solar occultation instrument developed by the Environment Agency of Japan to monitor and study the stratospheric ozone layer environment by using an infrared grating spectrometer and a visible grating spectrometer. ILAS on board the Advanced Earth Observing Satellite (ADEOS) was launched on August 17, 1996 by National Space Development Agency of Japan (NASDA). ILAS was put into a sun-synchronous polar orbit and continued its measurements until June 30, 1997, when ADEOS stopped its operation due to a solar panel failure. ILAS gathered data on over 6700 events during its eight months of routine operation from October 30, 1996 to June 29, 1997.