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SPARC Data Initiative - Nimbus 7 LIMS version 6 data

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The Nimbus 7 LIMS experiment obtained stratospheric distributions of ozone (O3), water vapor (H2O), nitric acid (HNO3), and nitrogen dioxide (NO2) for the 7 months of November 1978 through May 1979. The LIMS radiance profiles were re-processed to a Version 6 (V6) dataset that was archived recently. In support of the SPARC Data Initiative, monthly, zonally-averaged files of the species have been prepared from the LIMS Level 3 daily, zonal mean coefficients. The summation of HNO3 and nighttime NO2 represents a lower bound for the monthly distribution of NOy in the stratosphere. Examples of the distributions of these species will be shown along with estimates of the uncertainties of their zonal means.