

QOS2016-49, 2016

Quadrennial Ozone Symposium of the International Ozone Commission

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Trend Quality Ozone From the Version 2 Processing of OMPS Nadir Mapper and Nadir Profiler Data

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The version 2 reprocessing of data from the two OMPS nadir ozone instruments on Suomi NPP, the nadir mapper and the nadir profiler, has produced accurate, high quality ozone consistent with data in our long term Merged Ozone Data (MOD) record. Instrument and calibration artifacts have been corrected in this processing and a calibration consistent with the SBUV v8.6 processing has been applied. Total column ozone from the OMPS nadir mapper is very consistent with ozone from the NOAA 19 SBUV/2 with a near zero offset. Total column ozone data from the OMPS nadir profiler now agree with data from the SBUV/2 instrument on NOAA 19 to better than 1%. The ozone profiles agree mostly to within 5% throughout the stratosphere.