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## **Extending the multi-year record of SBUV/2 global ozone profile measurements with the S-NPP and JPSS-1 OMPS Nadir Instruments**

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The Ozone Mapping and Profiler Suite (OMPS) Nadir Mapper and Nadir Profiler instruments provide hyperspectral global measurements of the UV top-of-atmosphere radiances from 250 nm to 380 nm. These are used to generate daily global maps of total column ozone and orbital tracks of ozone profiles. The first OMPS was launched on board the S-NPP satellite in late 2011. A second OMPS will fly on the JPSS-1 satellite mission scheduled for launch in early 2017. The OMPS products extend the historical record of ozone profile measurements. NOAA operationally produces ozone profile estimates from the OMPS Nadir instruments in near-real time and has plans for reprocessing them with improved calibration and characterization. This poster presents results on the S-NPP Sensor Data Records (SDRs) and ozone profile Environmental Data Records (EDRs). It covers reprocessing efforts to make a unified SDR record from the almost five years of S-NPP OMPS measurements to create ozone profile EDRs consistent with the Solar Backscatter Ultraviolet (SBUV/2) record. Plans for the JPSS-1 OMPS operational SDR and EDR products are also discussed. The JPSS-1 OMPS will be operated to create a smaller field-of-view than the S-NPP OMPS by a factor of ten.