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Preliminary Investigations of Characteristics of Air Pollutants using a PA-II SD Dual Laser Air Sensor REILLY RATCLIFFE, MARCUS ALCANTARA-SILVA, NIMMI SHARMA, Central Connecticut State University — Air pollution impacts human health and also affects results of complimentary lidar measurements used in atmospheric studies. A PA-II SD Dual Laser Air Sensor was used to measure characteristics of air pollution for different types of pollution and at different locations. Background measurements of “unpolluted” air at these locations were also measured for comparison. This paper presents preliminary results for the air pollution measurements and their applications to lidar studies.

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