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Photochemical Pollution over the suburban forest in Seoul South Korea

Saewung Kim (1), Dianne Sanchez (1), Daun Jeong (1), Roger Seco (1), Dasa Gu (1), Alex Guenther (1), and Meehye Lee (2)

(1) University of California, Irvine, Department of Earth System Science, Irvine, United States (saewungk@uci.edu), (2) Korea University, Department of Earth and Environmental Sciences, Sungbuk Gu, Seoul, South Korea.

We will present long term photo-chemical observations at Taehwa Research Forest a suburban forest near by Seoul Metropolitan Area a home of 23 million. The discussion is mainly about observations during KORUS-AQ 2016 a NASA-NIER collaborative field campaign in the late spring. There were a couple of pollution stagnation episodes during the campaign and we will present how intensified pollution elevate ozone forming potentials by interacting with BVOC from surrounding forest.
During the campaign, we conducted a comprehensive suite of trace gas observations along with OH reactivity and radical precursor observations. We will comprehensively examine atmospheric oxidation capacity and reactivity to evaluate the accuracy of our photochemical understanding in diagnosing regional pollution.