

Travis J. Schuyler, Ph.D.

Publications

1. “Application of a Small Unmanned Aerial System to Measure Ammonia Emissions from a Pilot Amine-CO₂ Capture System” **Schuyler, T.J.**, Irvin, B., Abad, K., Thompson J.G., Liu, K., Guzman, M.I. *Sensors* **2020**, 20(23), 6974
2. “University of Kentucky Measurements of Wind, Temperature, Pressure and Humidity in Support of LAPSE-RATE Using Multisite Fixed-Wing and Rotorcraft Unmanned Aerial Systems.” Bailey, S.C.C., Sama, M.P., Canter, C.A., Pampolini, L.F., Lippay, Z.S., **Schuyler, T.J.**, Hamilton, J.D., MacPhee, S.B., Rowe, I.S., Sanders, C.D., Smith, V.G., Vezzi, C.N., Wight, H.M., Hoagg, J.B., Guzman, M.I., and Smith, S.W. *Earth Syst. Sci. Data* **2020**, 12, 1759–1773
3. "Monitoring Tropospheric Gases with Small Unmanned Aerial Systems (sUAS) during the Second CLOUDMAP Flight Campaign" **Schuyler, T.J.**, Bailey, S.C.C., and Guzman*, M. I. *Atmosphere* **2019**, 10(8), 434.
4. "Using a Balloon-Launched Unmanned Glider to Validate Real-Time WRF Modeling". **Schuyler, T.J.**, Gohari, S.M.I., Pundsack, G., Berchhoff, D., and Guzman*, M.I. *Sensors* **2019**, 19(8), 1914.
5. "Intercomparison of Small Unmanned Aircraft System (sUAS) Measurements for Atmospheric Science during the LAPSE-RATE Campaign" Lindsey, B., **Schuyler, T.J.**, et al. *Sensors* **2019**, 19(9), 2179.
6. “Unmanned Aerial Systems for Monitoring Trace Tropospheric Gases”. **Schuyler, T.J.** and Guzman*, M. I. *Atmosphere* **2017**, 8(10), 206.