



Continuous, regional approach to methane source detection and sizing using dual frequency comb laser spectroscopy and atmospheric inversions

<u>Caroline Alden^{*1,2}</u>, Sean Coburn¹, Robert Wright¹, Ian Coddington³, Colm Sweeney^{2,4}, Anna Karion³, Subhomoy Ghosh³, Esther Baumann³, Nathan Newbury³, Kuldeep Prasad³, Gregory Rieker¹

¹University of Colorado Boulder, Boulder, CO, USA; ²Cooperative Institute for Research in Environmental Sciences (CIRES), USA; ³National Institute of Standards and Technology (NIST), USA; ⁴National Oceanic and Atmospheric Administration (NOAA), USA *caroline.alden@colorado.edu



