



Figure S4. Horizontal distributions of the methane plume on 3 July 2014. The raw and interpolated (kriged) CH_4 plumes are shown for the 3 km (A and C) and 6 km (B and D) downwind distances corresponding to the flight path shown in Figure S3. The aircraft-based mass balance approach yielded a whole landfill methane emission flux of 7.9 mol s^{-1} and 6.8 mol s^{-1} for the 6 km and 4.5 km two-dimensional crosswind planes, respectively.