

Five years of eddy covariance measurements of CO₂ flux in the city of Basel

Roland Vogt *
*University of Basel

Abstract

Since May 2004 flux measurements of CO₂ are carried out in a dense built-up area in the city of Basel. The flux instrumentation (Gill HS, LI7500) is mounted on top of an 18m high tower on a 20m high building. The mean building height in the surrounding area (250m) is 14.6m. Based on the five year-long data diurnal, seasonal and annual features of the CO₂ fluxes are presented.