(a) CO$_2$ concentration (ppm) over time from May 2009 to May 2013, showing data from CT2016 and GOSAT.

(b) Distribution of bias over the same period, with a peak at around 0 ppm bias.

(c) Distribution of change in CO$_2$ concentration, with a mean of -0.17 ppm, SD of 0.71 ppm, and a correlation coefficient $R$ of 0.977.

(d) Annual CO$_2$ growth (ppm) from 2009 to 2013, with data from CT2016 and GOSAT.