Line 13 U.S.. –eliminate second period

Line 78: Results: Estimation of xi0 and Cburn (use proper super and subscripts)

Line 139: In a later part of the campaign, the DC-8 sampled in Northern Canada (Simpson et al., 2011); we excluded these plumes as representing different , more boreal, forest burn conditions. (space before comma)

Table 1: Prefer to not use " in table

Line 364: needs a period. They and the non-plume points suggest air-mass changes in CO2+CO

Table 2: Periods sometimes in "signifies" descriptor, sometimes not. Make consistent.

Table 2:

expansion and rise. may be assumed, to be of the estimated as $\hat{x}_i^0$ or casually as x_i^0. This is not necessarily air surrounding the plume sample.!

Caps on "May". Not sure I understand the sentence that begins with "May". Eliminate exclamation point at end.

Table 2 continued:

or	Background concentration of tracer j . Typically estimated as a minimum value from observed probability density function for samples in a particular flight intensive, especially non-plume samples without signals of stratospheric air.

or? (must be missing something here)

What does this mean? (Table 2):

An early approximation to implied from normalized and scaling, not
required by algorithm but a convenient check

Table 2: - font change mid sentence

y_{ij}^0	y intercept implied by x_i , y_{ij} and the estimated slopes a_j for j

Line 736: 6.3. Summary of the MERET algorithm and notes – not consistent with table of contents. (6.3. Summary of the MERET method)

Line 923: 8.1 Table of several significant emissions (repeat of 8.1 should be labeled 8.2)