

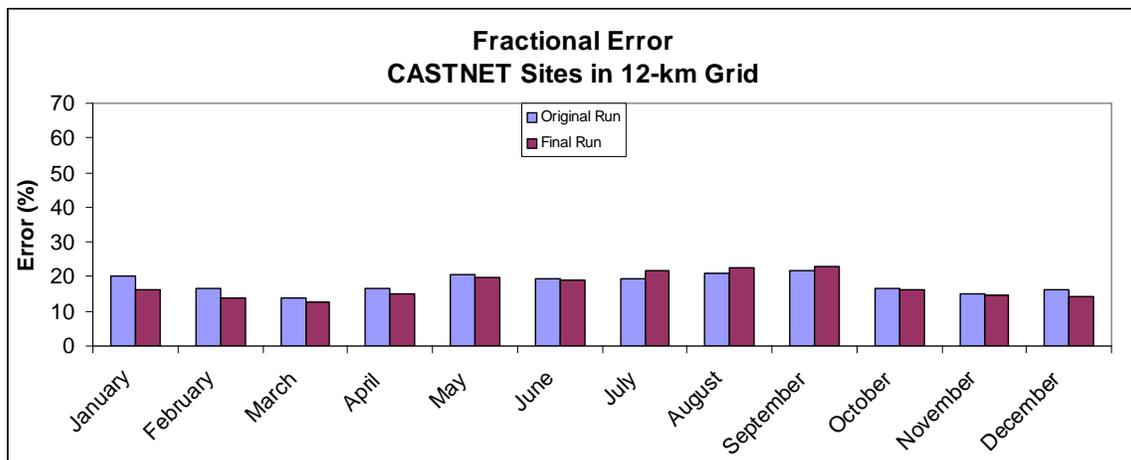
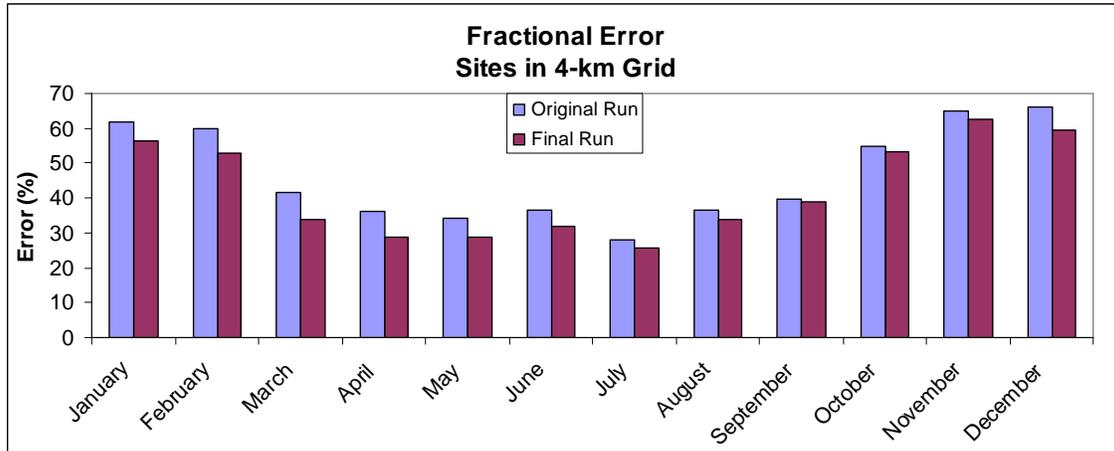
Errata: 21 January 2010

Revised Report – August 2009  
**AIR QUALITY MODELING STUDY  
FOR THE FOUR CORNERS REGION**

Item #1 of 1:

Top portion of Figure 3-4 on p. 3-17 is incorrect: see revised Figure 3-4 attached. Note that there is no change to Figure 3-5. Also replace first paragraph on p.3-12 which begins “Monthly mean fractional error statistics for hourly ozone...” with the following revised version:

Monthly mean fractional error statistics for hourly ozone at sites in the 4 km and 12 km domains, respectively, are summarized in Figure 3-4. Monthly mean fractional bias statistics are shown in Figure 3-5. Fractional metrics were chosen to evaluate performance for all hours of each month of the year since many observations reach zero concentrations, especially in winter months. Results from two model runs are shown: “original” refers to an initial CAMx simulation that used unmodified 36 km grid boundary conditions taken directly from the 2002 WRAP modeling (derived from GEOS-CHEM global model results as explained earlier); “final” refer to the final CAMx configuration in which the 36 km grid boundary conditions were modified to ensure tropospheric ozone levels in the topmost layers (as explained earlier). There is a noticeable improvement in bias performance and a small but consistent improvement in fractional error for the “final” model run within the 4 km domain. This is consistent with a reduction of bias due to less impact from ozone imported from the upper lateral domain boundaries in the “final” model run. This change has relatively little impact, however, on the correlation of predicted and observed hourly ozone and therefore the fractional error statistics improve only slightly.



**Figure 3-4.** Monthly mean fractional errors for ozone monitoring sites in the 4 km domain (top) and 12 km domain (bottom).