# Corrigendum

E RIK J. L. L ARSON

*Chemical Sciences Division, Earth Systems Research Laboratory, NOAA, and Cooperative Institute for
Research in Environmental Sciences, University of Colorado, Boulder, Colorado*

R OBERT W. P ORTMANN

*Chemical Sciences Division, Earth Systems Research Laboratory, NOAA, Boulder, Colorado*

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The mathematical description in section 4 of Larson and Portmann (2016) incorrectly uses forcing in the equations when it should use delta forcing. Specifically this variable is used in Eqs. (2), (3), and (5). Here, $F_j$, described as the forcing in year $j$, should be described as the change in forcing between year $j$ and $j - 1$. The actual radiative forcing is the cumulative summation of these changes. This error does not affect any results or conclusions from the paper. It is simply an error in representing the equations in the manuscript.

The correct forms of Eqs. (2), (3), and (5), respectively, from Larson and Portmann (2016) are

$$y_i = \sum_{j=0}^{i} x_j \frac{\Delta F_{i-j}}{F_0} = \sum_{j=0}^{i} x_{i-j} \frac{\Delta F_j}{F_0},$$

$$\mathbf{Y} = \mathbf{X} \Delta \mathbf{F} / F_0, \quad \text{and}$$

$$\Delta \mathbf{F} = F_0 \mathbf{X}^{-1} \mathbf{Y}.$$

The only difference is the change from $F$ to $\Delta F$, where $\Delta F_j$ is the change in forcing between year $j$ and $j - 1$. The forcing time series, $F$, is the cumulative summation of the changes in forcing $\Delta F$:

$$F_i = \sum_{j=0}^{i} \Delta F_j.$$

## REFERENCE

Larson, E. J. L., and R. W. Portmann, 2016: A temporal kernel method to compute effective radiative forcing in CMIP5 transient simulations. *J. Climate*, **29**, 1497–1509, doi:10.1175/JCLI-D-15-0577.1.

*Corresponding author address*: Erik Larson, NOAA/ESRL Chemical Sciences Division, 325 Broadway, Boulder, CO 80305.
E-mail: erik.larson@noaa.gov