



For wide distribution

This figure visually shows the strong linear relation between the radiative forcing and the global temperature response since 1880, it is a simplified version of fig. 3a of [Lovejoy, 2014a] showing the 5 year running average of global temperature (red) as a function of the CO₂ forcing surrogate from 1880 to 2004. The linearity is impressive; the deviations from linearity are due to natural variability. The slope of the regression line is 2.33 ± 0.22 °C per CO₂ doubling (it is for the unlagged forcing/response relation).