

Greenhouse gases (CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O)	MacFarling Meure et al. (2006)
Greenhouse gases (historical, anthropogenic)	Marland et al. (2003)
Ozone	Climatology of Paul et al. (1998)
Volcanic aerosols	Crowley et al. (2008)
Aerosol forcing	Background from Tanre et al. (1984) and post-1850 variations by Lefohn et al. (1999)
Total solar irradiance	Based on Muscheler et al. (2016, 2007) (see also the Methods section)
Land use	Pongratz et al. (2008) with vegetation from Jungclaus et al. (2010) E1 ensemble member mil0010
Orbital forcing	Variation Seculaires des Orbites Planetaires (VSOP) analytical solution by Bretagnon and Francou (1988)