

Forcing	No. of simulations	Reference
ALL- <i>F</i>	10	–
SOL	4	Vieira et al. (2011)
VOLC	5	Gao et al. (2008)
GHG	3	MacFarling Meure et al. (2006)
	3	Pongratz et al. (2008) dataset, spliced to Hurtt et al. (2009) at 1500 CE. The only plant functional types (PFTs) that are changed are those for crops and pasture; all other PFTs remain at their 1850 control prescriptions
ORB	3	The CESM model adjusts yearly orbital position (eccentricity, obliquity and precession) following Berger et al. (1993)
OZ/AER	2	Fixed at the 1850 control simulation values until 1850 and then include the evolving anthropogenic changes to 2005. Stratospheric aerosols are prescribed in the model as a fixed single-size distribution in the three layers in the lower stratosphere above the tropopause. The ozone forcing is from the Whole Atmosphere Community Climate Model (WACCM)