Exp-name	Volcanic database name	Specific description	Period	Years per member	Tier
TAR_base	–	No sporadically erupting volcanic emission	Transient 1998–2012 monthly varying	15	1
TAR_db1	VolcDB1	Volcanic emission data set (Brühl et al., 2015 and updates)	Transient 1998–2012 monthly varying	15	1
TAR_db2	VolcDB2	Volcanic emission data set (Mills et al., 2016)	Transient 1998–2012 monthly varying	15	1
TAR_db3	VolcDB3	Volcanic emission data set (Carn et al., 2016)	Transient 1998–2012 time varying	15	1
TAR_db4	VolcDB4	Volcanic emission data set (Diehl et al., 2012) and updates	Transient 1998–2010 time varying	13	3
TAR_sub	VolcDBSUB	Subset of strongest eight volcanoes; averaged SO_2 emissions and averaged injection heights from VolcDB1/2/3	Transient 1998–2012 monthly varying	15	2
TAR_db1_3D	VolcDB1_3D	NetCDF version of volcanic emission data set VolcDB1 (Brühl et al., 2015, and updates)	Transient 1998–2012 monthly varying	15	3