PMIP4 gases data

CO2

Experiment	Value (ppm)
midHolocene	264.36
lgm	190
past1000	Time varying Meinshausen et al., CMIP6 GMD special issue
lig127k	287
midPliocene-eoi400	400
LDv1-LGMspin	*Same as lgm*
LDv1-transpin LDv1	Transient, as per Bereiter et al. (2015) [Access to data]

CH4

Experiment	Value (ppb)
midHolocene	584.93
lgm	375
past1000	Time varying Meinshausen et al., CMIP6 GMD special issue
lig127k	724
midPliocene-eoi400	*Same as in CMIP6 piControl*
LDv1-LGMspin	*Same as lgm*
LDv1-transpin LDv1	Transient, as per Loulergue et al. (2008)

N20

Experiment	Value (ppb)
midHolocene	258.56
lgm	200
past1000	Time varying Meinshausen et al., CMIP6 GMD special issue
lig127k	262
midPliocene-eoi400	*Same as in CMIP6 piControl*
LDv1-LGMspin	*Same as lgm*
LDv1-transpin LDv1	Transient, as per Schilt et al. (2010)

CFC

Experiment	Value
midHolocene	0

Experiment	Value
lgm	0
past1000	**??** *Same as in CMIP6 piControl* **??**
lig127k	0
midPliocene-eoi400	*Same as in CMIP6 piControl*
LDv1-LGMspin LDv1-transpin LDv1	*Same as lgm*

O3

Experiment	Value
midHolocene lgm lig127k midPliocene-eoi400 LDv1-LGMspin LDv1-transpin LDv1	*Same as in CMIP6 piControl*
past1000	For models without interactive ozone chemistry, we suggest that O3 modulation is derived in a similar way from the modulation of the UV part of the solar spectrum as in the historical simulations (c.f. Matthes et al., CMIP6 GMD special issue 2016)

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