

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 <i>CMIP6 piControl</i>
LDv1-LGMspin	Same as lgm
LDv1-transpin LDv1	Transient, as per Louergue et al. (2008)

N2O

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 <i>CMIP6 piControl</i>
LDv1-LGMspin	Same as lgm
LDv1-transpin LDv1	Transient, as per Schilt et al. (2010)

CFC

Experiment	Value
midHolocene	0
lgm	0

Experiment	Value
past1000	?? Same as in CMIP6 piControl ??
lig127k	0
midPliocene-eoi400	<i>Same as in CMIP6 piControl</i>
LDv1-LGMspin LDv1-transpin LDv1	<i>Same as lgm</i>

03

Experiment	Value
midHolocene lgm lig127k midPliocene-eoi400 LDv1-LGMspin LDv1-transpin LDv1	<i>Same as in CMIP6 piControl</i>
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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