Design for the last Interglacial (at 127 ky BP) run

Associated publication

Otto-Bliesner et al, in prep

Specifications

	PMIP4-CMIP6 specifications
PMIP4-CMIP6 name	lig127k
Astronomical parameters	**eccentricity** = **obliquity** = ° **perihelion-180°** = ° **Date of vernal equinox** : March 21 at noon
Trace gases	**CO_2** = 287 ppm **CH_4** = 724 ppb **N_2O** = 262 ppb **CFC** = 0 **O_3** = same as in CMIP6 piControl
Solar activity	Same as in CMIP6 piControl
Ice sheets	Same as in CMIP6 piControl
Topography and coastlines	Same as in CMIP6 piControl
Volcanic activity	Same as in CMIP6 piControl
Aerosols	Modified sources, atmospheric concentrations or radiative forcing, depending on model complexity and model configuration used for DECK and historical experiments cf. documenting papers: Otto-Bliesner et al, in prep and Kageyama et al, subm. Access to data
Vegetation	Depending on model complexity and model configuration used for DECK and historical experiments: Interactive vegetation **or** Interactive carbon cycle (LAI) **or** Prescribed to present-day values or lig127k values computed from off-line vegetation model The methodology to represent vegetation should be the same as for the CMIP6 piControl simulation cf. documenting papers: Otto-Bliesner et al, in prep and Kageyama et al, subm.

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