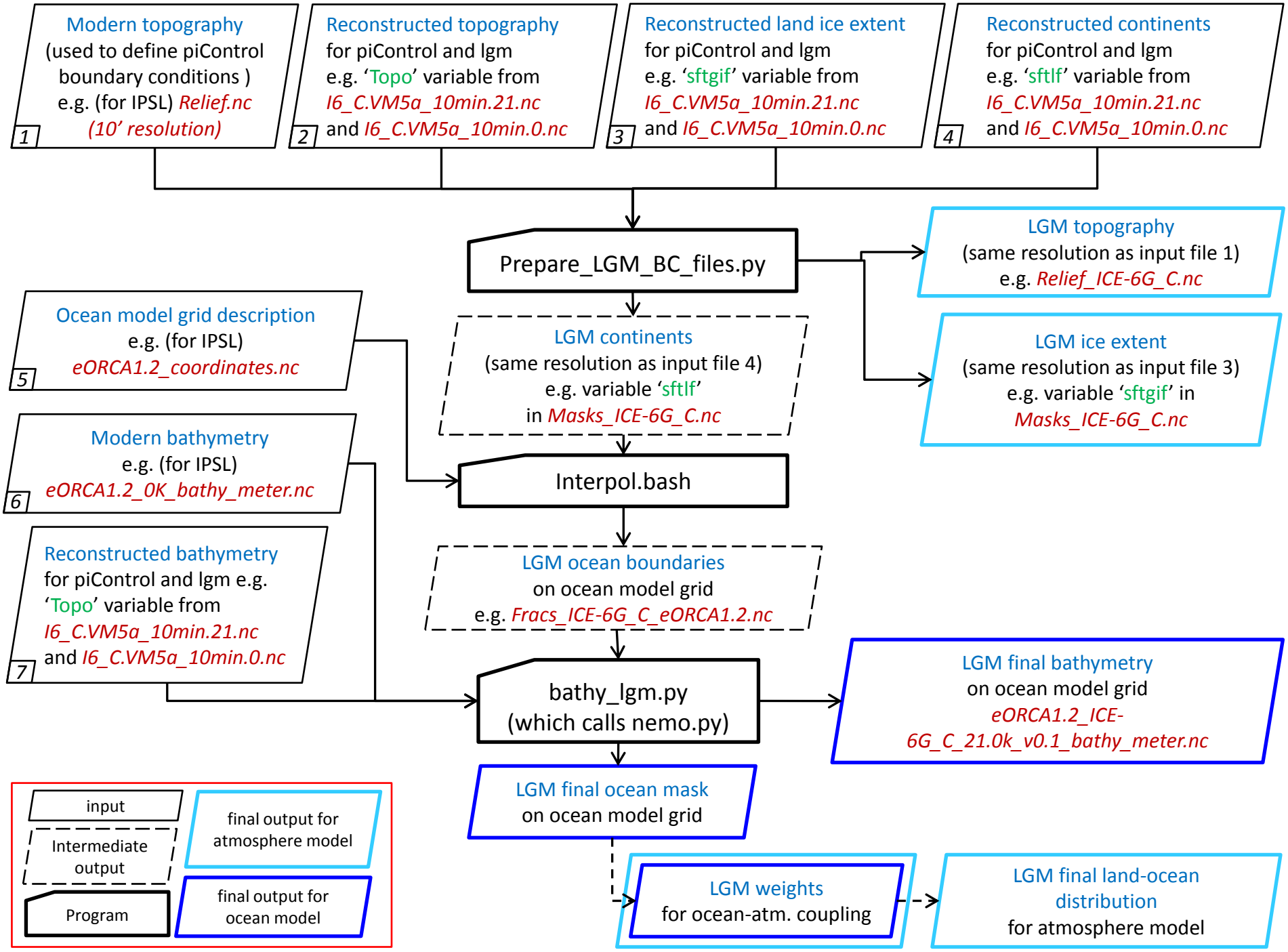
1
Modern topography
(used to define piControl boundary conditions)
e.g. (for IPSL) Relief.nc
(10' resolution)
2
Reconstructed topography
for piControl and lgm
e.g. 'Topo' variable from
I6_C.VM5a_10min.21.nc
and I6_C.VM5a_10min.0.nc
3
Reconstructed land ice extent
for piControl and lgm
e.g. 'sftgif' variable from
I6_C.VM5a_10min.21.nc
and I6_C.VM5a_10min.0.nc
4
Reconstructed continents
for piControl and lgm
e.g. 'sftlf' variable from
I6_C.VM5a_10min.21.nc
and I6_C.VM5a_10min.0.nc
Prepare_LGM_BC_files.py
LGM topography
(same resolution as input file 1)
e.g. Relief_ICE-6G_C.nc
LGM continents
(same resolution as input file 4)
e.g. variable 'sftlf'
in Masks_ICE-6G_C.nc
LGM ice extent
(same resolution as input file 3)
e.g. variable 'sftgif' in
Masks_ICE-6G_C.nc
5
Ocean model grid description
e.g. (for IPSL)
eORCA1.2_coordinates.nc
6
Modern bathymetry
e.g. (for IPSL)
eORCA1.2_0K_bathy_meter.nc
Interpol.bash
LGM ocean boundaries
on ocean model grid
e.g. Fracs_ICE-6G_C_eORCA1.2.nc
7
Reconstructed bathymetry
for piControl and lgm e.g.
'Topo' variable from
I6_C.VM5a_10min.21.nc
and I6_C.VM5a_10min.0.nc
bathy_lgm.py
(which calls nemo.py)
LGM final bathymetry
on ocean model grid
eORCA1.2_ICE-
6G_C_21.0k_v0.1_bathy_meter.nc
LGM final ocean mask
on ocean model grid
LGM weights
for ocean-atm. coupling
LGM final land-ocean
distribution
for atmosphere model
input
Intermediate output
Program
final output for atmosphere model
final output for ocean model