Variable (units)	Description
ψ_o, ψ_a (m^2 s^{-1})	streamfunction of the ocean, atmosphere
$\omega = \mathrm{d}p/\mathrm{d}t$ (Pa s^{-1})	vertical velocity in pressure coordinates
T_o, T_a (K)	temperature of the ocean, atmosphere; $T_x = T_x^0 + \delta T_x$
δT_o, δT_a (K)	temperature anomaly of the ocean, atmosphere

Parameter (units)	Description
$n = 2L_y/L_x$	meridional to zonal aspect ratio
$L_y = \pi L$ (km)	meridional extent of the domain
f_0 (s^{-1})	Coriolis parameter at 45° latitude
λ (W m^{-2} K^{-1})	heat transfer coefficient at the ocean–atmosphere interface
r (s^{-1})	friction coefficient at the bottom of the ocean layer
C_o, C_a (W m^{-2})	insolation coefficient of the ocean, atmosphere
k_d (s^{-1})	friction coefficient at the ocean–atmosphere interface
k_d' (s^{-1})	friction coefficient between the atmospheric layers
h (m)	depth of the ocean layer
$d = C/(\rho h)$ (s^{-1})	mechanical ocean–atmosphere coupling coefficient
R (J kg^{-1} K^{-1})	gas constant of dry air
L_R (km)	reduced Rossby deformation radius of the ocean
ρ (kg m^{-3})	density of the ocean
σ_B (W m^2 K^{-4})	Stefan–Boltzmann constant
σ (m^2 s^{-2} Pa^{-2})	static stability of the atmosphere
β (m^{-1} s^{-1})	Rossby parameter $\frac{\mathrm{d}f}{\mathrm{d}y}$
γ_o, γ_a (J m^{-2} K^{-1})	specific heat capacity of the ocean layer, atmosphere
T_o^0, T_a^0 (K)	constant solution for the temperature of the ocean, atmosphere
ϵ_a	grey-body atmosphere emissivity